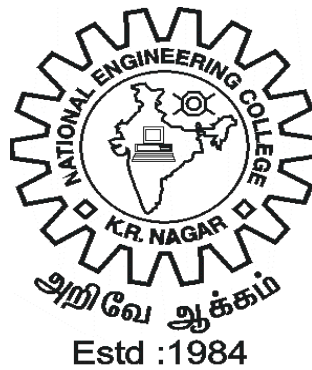


NATIONAL ENGINEERING COLLEGE

(An Autonomous Institution, Affiliated to Anna University Chennai)

K.R.NAGAR, KOVILPATTI – 628 503



13th ACADEMIC COUNCIL MEETING – MINUTES

06th JUNE 2020 @ 03.00 PM

GOOGLE ONLINE MEET

Link: <https://meet.google.com/ehu-hhmc-qpy>

NATIONAL ENGINEERING COLLEGE, K.R.NAGAR, KOVILPATTI*(An Autonomous Institution – Affiliated to Anna University Chennai)***THE MINUTES OF THE 13th ACADEMIC COUNCIL**

MINUTES OF THE 13th ACADEMIC COUNCIL MEETING HELD ON 06.06.2020 AT 03.00 P.M. IN THE GOOGLE ONLINE MEET LINK <https://meet.google.com/ehu-hhmc-qpy>, NATIONAL ENGINEERING COLLEGE, KOVILPATTI UNDER THE CHAIRMANSHIP OF **Dr.K.KALIDASA MURUGAVEL**, PRINCIPAL

The following are the academic council members:

Dr.K.Kalidasa Murugavel	Principal, National Engineering College
Academic Experts	
Dr.R.Raju	Professor / Dept. of Industrial Engg., Anna University, Chennai
Dr.D.Sriram Kumar	Professor / Dept. of ECE, NIT, Tiruchirapalli
Dr.P.Alagu Sundaramoorthy	Professor / Dept. of Civil Engineering, IITM, Chennai
Dr.Balaji Srinivasan	Professor / Dept. of Electrical Engineering, IITM, Chennai
Industrial Experts	
Dr.V.Veerappan	Cofounder & President, Tessolve Semiconductor Limited, Bangalore
Mr.M.Ganesh Thirunavukkarasu	Academic Relationship Manager – TN & P, Tata Consultancy Services Limited, Chennai
Dr.V.Narayanan	Director, LPSC, Indian Space Research Organization, Thiruvananthapuram
Mr.N.Lakshmi Narasimhan	General Manager – HR, Brakes India Private Limited, Chennai – 50
Ms.A.Bhanurekha	Principal Officer, Chola Academy, Chennai – 01
Shri. Utpal Borah	Scientist, IGCAR, Kalpakkam, Chennai

University Nominees	
Dr. S.Valli	Professor / Dept. of CSE, Anna University, Chennai
Dr. Ranjani Parthasarathy	Professor / Dept. of IST, Anna University, Chennai
Dr.R.Saravanan	Professor / Dept. of Mechanical Engg., Anna University, Chennai
Special Invitees	
Dr.S.Shanmugavel	Director, National Engineering College
Dr.V.Seenivasagam	Controller of Examinations, National Engineering College
Internal Members	
Dr. S.Tamil Selvi	Dean (Academic) & Prof. / ECE, National Engg. 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.Manisekar	Prof. & Head / Mechanical, National Engineering College
Dr.A.Shenbagavalli	Prof. & Head / ECE, National Engineering College
Dr.V.Gomathi	Prof. & Head / CSE, National Engineering College
Dr.M.Willjuice Iruthayarajan	Prof. & Head / EEE, National Engineering College
Dr.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
Ms. R.Rajakumari	Asst. Prof. (SG) / CSE, National Engineering College
Student Members	
Mr. M. Ajees Aboobucker	Third year Mechanical
Ms.T.Deepika	Final year ECE
Ms. S. Rajanayaki	Final year CSE
Mr. A.Harishkumar	Final year EEE
Mr. S.Santhosh Krishna kumar	Final year EIE
Ms.M.Poojaa	Final year IT
Mr.Mubashir Qayoom	Third year Civil

The University Nominee member **Dr.R.Saravanan**, Professor / Mechanical Engineering, Anna University, Chennai, Industrial Expert Members **Dr.V.Narayanan**, Director, LPSC, Indian Space Research Organization, Thiruvananthapuram and **Mr.M.Ganesh Thirunavukkarasu**, Academic Relationship Manager – TN&P, Tata Consultancy Services, 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 one time amendments of one credit courses, open elective courses and trans-disciplinary and inter disciplinary courses for UG degree Programmes to be offered under Regulation 2015 & Regulation 2019 and PG degree programmes in Regulation 2019. Following the address by the Principal, the Dean (Academic) moved the following agenda items on behalf of the Principal.

The following agenda items are considered and approved by the 13th Academic Council

DA 13.01 TO CONFIRM THE MINUTES OF TWELFTH ACADEMIC COUNCIL MEETING HELD ON 07th DECEMBER 2019

The minutes of the **12th Academic Council meeting** held on **07/12/2019** were communicated to the members vide **Email dated 12/12/2019**. The comments received have been incorporated and placed for confirmation. The same was approved by the council.

- **Minutes of 12th Academic Council**
- **Action taken report for minutes of 12th Academic Council**

DA 13.02 TO CONSIDER AND APPROVE THE ONE TIME AMENDMENTS (APPLICABLE TO LOCKDOWN PERIOD OF COVID-19) IN CLAUSE 6.10.2, 6.10.5 and 12.3.3 OF REGULATIONS 2015 FOR UG DEGREE PROGRAMMES OF NATIONAL ENGINEERING COLLEGE

RESOLVED TO APPROVE the one time amendments (applicable to Lockdown period of COVID-19) in Clause 6.10.2, 6.10.5 and 12.3.3 of Regulations 2015 For UG degree programmes of NATIONAL ENGINEERING COLLEGE

- **AMENDMENTS OF REGULATIONS FOR UG (R-2015)**

DA 13.03 TO CONSIDER AND APPROVE THE AMENDMENTS TO CLAUSE 4.2, 6.9, 6.10.6, 9.8, 12.7 and 12.9 OF REGULATIONS 2015 FOR UG DEGREE PROGRAMMES OF NATIONAL ENGINEERING COLLEGE

RESOLVED TO APPROVE the amendments to clause 4.2, 6.9, 6.10.6, 9.8, 12.7 and 12.9 of Regulations 2015 for UG degree programmes of NATIONAL ENGINEERING COLLEGE

➤ **AMENDMENTS OF REGULATIONS FOR UG (R-2015)**

DA 13.04 TO CONSIDER AND APPROVE THE AMENDMENTS TO CLAUSE 4.2, 6.9, 6.10.6, 9.8, 12.10, 14.0 and 15.1 OF REGULATIONS 2019 FOR UG DEGREE PROGRAMMES OF NATIONAL ENGINEERING COLLEGE

RESOLVED TO APPROVE the amendments to clause 4.2, 6.9, 6.10.6, 9.8, 12.10, 14.0 and 15.1 of Regulations 2019 for UG degree programmes of NATIONAL ENGINEERING COLLEGE

➤ **AMENDMENTS OF REGULATIONS FOR UG (R-2019)**

DA 13.05 TO CONSIDER AND APPROVE COURSE REGISTRATION AND COMPLETION OF ONE CREDIT COURSES THROUGH VIRTUAL TEACHING AND LEARNING PROCESS

RESOLVED TO APPROVE the initiation taken for one credit course registration during the lockdown period and completion of one credit courses (which are to be offered in the ensuing semester of academic year 2020-2021) through virtual online teaching and learning process.

DA 13.06 TO CONSIDER AND APPROVE HANDLING OF ODD SEMESTER ACADEMIC YEAR 2020-2021 PRACTICAL COURSES (MINI PROJECT, RESEARCH PAPER AND PATENT REVIEW - SEMINAR, COMPREHENSION) DURING COVID-19 LOCKDOWN PERIOD

RESOLVED TO APPROVE the special permission for the students to do literature survey for the practical courses in the ensuing semester (to be offered in the odd semester of academic year 2020-2021) such as Mini project , Research paper and patent review in collaboration with industry to

identify the problem in association with faculty from home. Comprehension shall be conducted through MCQ virtual classes.

DA 13.07 TO CONSIDER AND APPROVE COURSE REGISTRATION AND COMPLETION OF PROGRAMME ELECTIVE COURSES AND OPEN ELECTIVE COURSES INCLUDING INTER-DISCIPLINARY AND TRANS-DISCIPLINARY COURSES THROUGH VIRTUAL TEACHING AND LEARNING PROCESS

RESOLVED TO APPROVE course registration and completion of programme elective courses and open elective courses including Inter-Disciplinary and Trans-Disciplinary courses of the ensuing semester 2020-2021 through virtual teaching and learning process

BUSINESS BROUGHT FORWARD BY THE BOARDS OF STUDIES

AGENDA FROM DEPARTMENT OF MECHANICAL ENGINEERING

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

ME 13.01 TO CONSIDER AND APPROVE THE SYLLABUS OF NEW ONE-CREDIT COURSES IN B.E. MECHANICAL ENGINEERING PROGRAMME UNDER REGULATION 2015

RESOLVED TO APPROVE the syllabus of new one-credit courses in B.E. Mechanical Engineering programme under Regulation 2015

➤ **B.E. MECHANICAL – One credit syllabus R-2015**

ME 13.02 TO CONSIDER AND APPROVE THE SYLLABUS OF NEW OPEN ELECTIVE COURSES IN B.E. MECHANICAL ENGINEERING PROGRAMME UNDER REGULATION 2019

RESOLVED TO APPROVE the syllabus of new open elective courses in B.E. Mechanical Engineering Programme under Regulation 2019

➤ **B.E. MECHANICAL – Elective syllabus R-2019**

ME 13.03 TO CONSIDER AND APPROVE THE SYLLABUS OF NEW ADDITIONAL ELECTIVE COURSES IN M.E. ENERGY ENGINEERING PROGRAMME UNDER REGULATION 2019

RESOLVED TO APPROVE the syllabus of new additional elective courses in M.E. Energy Engineering Programme under Regulation 2019

➤ **M.E. ENERGY – Elective course syllabus R-2019**

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 13.01 TO CONSIDER AND APPROVE THE SYLLABUS OF ONE CREDIT ELECTIVE COURSE FOR UG (B.E. – EEE) PROGRAMME UNDER R-2015 and R-2019

RESOLVED TO APPROVE the syllabus of one credit elective course for UG (B.E. – EEE) programme under R-2015 and R-2019

➤ **B.E. EEE – One credit Syllabus**

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

Points suggested by the Academic Council

Members have given the following suggestions:

1. All the members have appreciated the initiative taken for conducting courses through online mode during the lockdown periods.
2. For Tamil medium students, the English Proficiency course may be made mandatory in extracurricular activity.
3. One more class committee meeting may be added after the commencement of second Internal Assessment Test and the meetings may be organized through online mode/offline mode.

4. Apart from internship through companies, "Do it yourself-Own ideas to do Projects" also may be allowed.
5. "Moderation committee" may be renamed as "Monitoring committee for Continuous Assessment".
6. For Mechanical Engineering, in laser technology course, instead of types of laser, characteristics of laser may be added which is more relevant.
7. Industry visit may be arranged to visualize laser cutting for Mechanical Engineering students.
8. For knowing the effectiveness of online lectures, the views may be tracked.



**CHAIRMAN
ACADEMIC COUNCIL**

National ENGINEERING COLLEGE, K.R.NAGAR, KOVILPATTI
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Actions Taken Report on Minutes of 12th Academic Council Meeting

S. No.	Action Initiated	Action Taken
1.	Amendments to Clause 6.4, 6.10.2, 11.5, and 12.7 of Regulations 2015 and Regulations 2019 for UG degree programmes	Implemented
2.	The special permission to conduct elective courses with less than 10 students under Regulation 2015	Implemented
3.	Members suggested that same curriculum structure may be followed for all the programmes	Implemented
4.	One credit courses may be offered by industry to reflect the industrial need	Implemented
5.	For Mechanical Engineering, <ul style="list-style-type: none"> • Advanced Mathematics course may be renamed. • Drone related papers may be included in the curriculum. • Open Elective-IV category, the Financial and Managerial Accounting may be renamed as Accounting for Engineers. • Open elective Engineering Biology may be renamed as Biology for Engineers. 	Implemented
6.	For ECE, <ul style="list-style-type: none"> • Industrial training may be needed for faculty to teach 5G wireless technology courses. 	Implemented
7.	For CSE, <ul style="list-style-type: none"> • Instead of Health Information Systems Lab Information System may be included • Priority may be given to ERP and SAP. • Course on Block chain technology may be included. 	Yet to be implemented
8.	For EEE, <ul style="list-style-type: none"> • Domain based grouping needed for elective courses. • Energy storage and battery management may be included in syllabus • Intelligent electronics may be included in curriculum. 	Yet to be implemented Domain wise elective grouping, inclusion of Energy storage and battery management and Intelligent electronics will be included in the curriculum and it will be presented in 14 th BOS meeting.

9.	For CIVIL Engineering, <ul style="list-style-type: none"> • Metro construction and tunnelling concept may be included in the curriculum. 	Implemented
10.	Include the course of design thinking in the curriculum.	Implemented
11.	Additional credit details may be included in student's Mark statement	Yet to be implemented
12.	Tech-Talk culture may be motivated among the students and faculty	Implemented
13.	For coding practice and to improve problem solving skill, Topcoder website may be used	Implemented
14.	Industry experts expressed their willingness to sponsor their engineers for studying PG courses in different programmes in part time mode. They have requested the institution to explore the possibility and approach the University for necessary permission.	Yet to be implemented



**CHAIRMAN
ACADEMIC COUNCIL**

AMENDMENTS IN R-2015 (13th Academic Council Meeting on 06.06.2020)

ONE TIME AMENDMENTS TO CLAUSE 6.10.2, 6.10.5 and 12.3.3 OF REGULATIONS 2015 FOR COVID-19 LOCK DOWN PERIOD UG DEGREE PROGRAMMES OF NATIONAL ENGINEERING COLLEGE

UNDER GRADUATE DEGREE PROGRAMMES	
Existing UG Regulations - 2015	Amended UG Regulations - 2015
<p>6.10.2. From the third to eighth semester, (Fourth to the eighth Semester in the case of lateral entry students), the student has the option of registering for additional courses or dropping existing courses except for professional core courses. However, the student shall register for a minimum of 12 credits and a maximum of 30 credits in a semester.</p>	<p>6.10.2 From fourth and sixth semester students, the student has the option of registering for additional courses or dropping existing courses except for professional core courses. The student shall register a maximum of 36 credits in a semester.</p>
<p>6.10.5 A student can earn maximum of 2 one credit courses per semester.</p>	<p>6.10.5 A student can register for 3 one credit courses simultaneously during COVID-19 lock down period.</p>
<p>12.3.3 The End semester examination of the project work will be based on the evaluation of the project report submitted by the student(s) followed by a Viva-Voce Examination by a team consisting of a common internal examiner (other than the guide), External Examiner and Guide. The common internal examiner and the external examiner shall be appointed by the Controller of Examinations for evaluation from the panel of examiners submitted by the Head of the Department concerned with the approval of the Board of Studies.</p>	<p>12.3.3 The End semester examination of the project work will be based on the evaluation of the project report submitted by the student(s) followed by a Viva-Voce Examination by a team consisting of a common internal examiner (other than the guide), External Examiner and Guide. The common internal examiner and the external examiner shall be appointed by the Controller of Examinations for evaluation from the panel of examiners submitted by the Head of the Department concerned with the approval of the Board of Studies. However the End semester examination of the project work shall be conducted by a team consisting of a common internal examiner, Co-Examiner /External Examiner and Guide. The internal examiner,</p>

UNDER GRADUATE DEGREE PROGRAMMES

Existing UG Regulations - 2015

Amended UG Regulations - 2015

Co-Examiner along with guide will be physically present during the project viva-voce examination. **The External Examiner and students will be connected through online and the project work report may be sent earlier to the examiner.**

UNDER GRADUATE DEGREE PROGRAMMES

Existing UG Regulations - 2015

4.2 One Credit Non CGPA Courses

In addition, the students shall enroll, in any one of the one credit Non CGPA courses in each category listed in **Table-3** and earn a minimum of two credits (one from each category) for the award of the degree. The details for assessing these activities are given in **Annexure-II**.

TABLE - 3

CATEGORY OF ONE CREDIT NON - CGPA COURSES

Category	Code	Courses	Credit
Personality and Character Development	NCG11	Sports	1
	NCG12	Yoga for youth empowerment	
	NCG13	National Cadet Corps	
	NCG14	National Service Scheme	
	NCG15	YRC	
Allied Skills	NCG21	Co/Extra Curricular Activities	1
	NCG22	English Proficiency Certification	
	NCG23	Soft Skills	
	NCG24	Foreign / Vernacular Languages	
	NCG25	Aptitude Proficiency Certification	
	NCG26	Globally accepted Certification Courses	
	NCG27	Socially Responsible Activities	
	NCG28	Critical and Creative Thinking	

Amended UG Regulations - 2015

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Allied Skills / Value Added Courses	NCG21	Co Curricular Activities	1
	NCG22	English Proficiency Certification	
	NCG23	NPTEL online courses related to Allied Skills	
	NCG24	Foreign / Vernacular Languages	
	NCG25	Aptitude Proficiency Certification	
	NCG26	Globally accepted Certification Courses	
	NCG27	Socially Responsible Activities	
	NCG28	Critical and Creative Thinking	

UNDER GRADUATE DEGREE PROGRAMMES

Existing UG Regulations - 2015	Amended UG Regulations – 2015
<p>6.9 No course shall be offered by a department unless a minimum of 10 students are registered for that course.</p>	<p>6.9 No course shall be offered by a department unless a minimum of 5 students are registered for that course.</p>
<p>6.10.6 NIL</p>	<p>6.10.6 The students shall register and complete their courses within the minimum duration of the degree programme as per clause 5.1. However, if the students are unable to register the courses within the said duration, they shall register their courses in the subsequent academic year irrespective of Odd or Even semester. However, the maximum credits in a semester should not exceed 30.</p>
<p>9.8 The class committee shall meet at least twice in a semester:</p> <ul style="list-style-type: none"> ▪ The first meeting, a week after the <u>first test</u> results. ▪ The second meeting, a week after the <u>third test</u> results. 	<p>9.8 The class committee shall meet three times in a semester:</p> <ul style="list-style-type: none"> ▪ The first meeting, two weeks after commencement of the classes. ▪ The second meeting, a week after the <u>first internal assessment results</u>. ▪ The third meeting, after the <u>second internal assessment results</u>.
<p>12.7 Internship / Industrial Training / Mini Project</p> <p>The Industrial/Practical Training, Internship shall carry 100 marks and shall be evaluated through Internal assessment only. At the end of Industrial / Practical training/ Internship, the candidate shall submit a certificate from the organization where he/she has undergone training and a brief report. The evaluation will be made based on the report and a viva-voce examination conducted internally by a three member Departmental</p>	<p>12.7 Internship / Industrial Training / Mini Project</p> <p>Students shall undergo their Internship from Home during lockdown period by taking Industry problem. Other equivalent activities happening in the campus like Product Development through NewGen IEDC, Winning contest/ Hackathon, Internship at Techpark activities etc., can also be considered as Internship. Also AICTE model internship guidelines shall be adopted to learn new skills and</p>

UNDER GRADUATE DEGREE PROGRAMMES

Existing UG Regulations - 2015	Amended UG Regulations – 2015
<p>Committee constituted by the Head of the Department. The certificate (issued by the organization) submitted by the students shall be attached to the mark list and sent to the Controller of Examinations.</p>	<p>supplement knowledge. The evaluation will be made based on the report and a viva-voce examination conducted internally by a three member Departmental Committee constituted by the Head of the Department. The certificate issued by the concerned authorities shall be sent to the controller of Examinations.</p>
<p>12.9</p> <p align="center">NIL</p>	<p>12.9 Monitoring Committee for Continuous Assessment</p> <p>The monitoring committee is constituted by the HOD, which consists of two senior faculty members from the department to ensure quality in continuous assessment (CA) process and assessment outcomes. The roles and responsibilities of the committee in evaluating the academic process are as follows :</p> <ol style="list-style-type: none"> 1. To verify the teaching learning process carried out as per Course plan. 2. To audit IAT question paper and other assessments. 3. To ensure the consistency and unbiased mark allocation. 4. To suggest the corrective measures, if needed. 5. Submit the committee report to the Head of the Department.

ANNEXURE-II

		Existing UG Regulations - 2015	Amended UG Regulations - 2015
NCG15		EXTRA-CURRICULAR ACTIVITIES	
		CREDIT: 1	
1.	Pre – requisites / Eligibility Conditions	-	-
2.	Detail of Course Content / Syllabus	Activities as decided by the respective club convener / coordinator	Activities as decided by the respective club convener / coordinator
3.	Duration of the Course	Minimum requirements as specified by the club convener / Coordinator	Minimum requirements as specified by the club convener / Coordinator
4.	Assessment Procedure	Evaluation will be based on attending periodical meetings (Attendance) / Camp / Orphanage visit / Test / Awareness Programmes	Based on attendance and assessment of learning as per the objective of the programme.
5.	Criteria for allocation of credit	Active participation certificate with good conduct in Fine arts / Rotract / Junior JAYCEE / RRC / Youth welfare Association / Quiz / Science / Mathematics / Literary Associates / IAS academy and all other approved clubs.	Successful completion of Soft skill Training programme like personality development, communication skills, interpersonal skills etc conducted by Fine arts / Rotract / Junior JAYCEE / RRC / YRC / Youth welfare Association / Quiz / Science / Mathematics / Literary Associates / IAS academy/Readers Park and all other approved clubs with a minimum of 20 contact hours and being ensured by the concerned staff coordinators.
NCG21		CO-CURRICULAR ACTIVITIES	
		CREDIT: 1	
1.	Pre – requisites / Eligibility Conditions	-	-
2.	Detail of Course Content / Syllabus	Periodical meetings, Blood Donation Camp, Orphanage visit, Awareness Programmes, Test related to YRC (Multiple Choice Questions)	Activities as decided by the respective professional chapters Convener / Coordinator
3.	Duration of the Course	One year	20 contact hours on specific programme organized by the respective clubs.
4.	Assessment Procedure	Evaluation will be based on attending periodical meetings (Attendance) / Camp / Orphanage visit / Test / Awareness Programmes	Based on attendance and assessment of learning as per the objective of the programme.

ANNEXURE-II

		Existing UG Regulations - 2015	Amended UG Regulations - 2015
5.	Criteria for allocation of credit	Active participation certificate with good conduct in YRC club activities	Successful completion of specific allied skills training like presentation skills, organization skills, technical skills etc conducted by professional chapters IEEE / ISTE / IE(I) / CSI and all other approved chapters and department associations, with a minimum of 20 contact hours and being ensured by the concerned staff coordinators.



AMENDMENTS IN R-2019 (13th Academic Council Meeting on 06.06.2020)

AMENDMENTS TO CLAUSE 4.2, 6.9, 6.10.6, 9.8, 12.10, 14.0 and 15.1 OF REGULATIONS 2019 FOR UG DEGREE PROGRAMMES OF NATIONAL ENGINEERING COLLEGE

UNDER GRADUATE DEGREE PROGRAMMES																																																									
Existing UG Regulations - 2019		Amended UG Regulations - 2019																																																							
<p>4.2 One Credit Non CGPA Courses</p> <p>In addition, the students shall enroll, in any one of the one credit Non CGPA courses in each category listed in Table-3 and earn a minimum of two credits (one from each category) for the award of the degree. The details for assessing these activities are given in Annexure-II.</p> <p style="text-align: center;">TABLE - 3</p> <p style="text-align: center;">CATEGORY OF ONE CREDIT NON - CGPA COURSES</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr style="background-color: #d3d3d3;"> <th>Category</th> <th>Code</th> <th>Courses</th> <th>Credit</th> </tr> </thead> <tbody> <tr> <td rowspan="5" style="text-align: center;">Personality and Character Development</td> <td>NCG11</td> <td>Sports</td> <td rowspan="5" style="text-align: center;">1</td> </tr> <tr> <td>NCG12</td> <td>Yoga for youth empowerment</td> </tr> <tr> <td>NCG13</td> <td>National Cadet Corps</td> </tr> <tr> <td>NCG14</td> <td>National Service Scheme</td> </tr> <tr> <td>NCG15</td> <td>YRC</td> </tr> <tr> <td rowspan="5" style="text-align: center;">Allied Skills</td> <td>NCG21</td> <td>Co/Extra Curricular Activities</td> <td rowspan="5" style="text-align: center;">1</td> </tr> <tr> <td>NCG22</td> <td>English Proficiency Certification</td> </tr> <tr> <td>NCG23</td> <td>Soft Skills</td> </tr> <tr> <td>NCG24</td> <td>Foreign / Vernacular Languages</td> </tr> <tr> <td>NCG25</td> <td>Aptitude Proficiency Certification</td> </tr> </tbody> </table>	Category	Code	Courses	Credit	Personality and Character Development	NCG11	Sports	1	NCG12	Yoga for youth empowerment	NCG13	National Cadet Corps	NCG14	National Service Scheme	NCG15	YRC	Allied Skills	NCG21	Co/Extra Curricular Activities	1	NCG22	English Proficiency Certification	NCG23	Soft Skills	NCG24	Foreign / Vernacular Languages	NCG25	Aptitude Proficiency Certification	<p>4.2 One Credit Non CGPA Courses</p> <p>In addition, the students shall enroll, in any one of the one credit Non CGPA courses in each category listed in Table-3 and earn a minimum of two credits (one from each category) for the award of the degree. The details for assessing these activities are given in Annexure-II.</p> <p style="text-align: center;">TABLE - 3</p> <p style="text-align: center;">CATEGORY OF ONE CREDIT NON - CGPA COURSES</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr style="background-color: #d3d3d3;"> <th>Category</th> <th>Code</th> <th>Courses</th> <th>Credit</th> </tr> </thead> <tbody> <tr> <td rowspan="5" style="text-align: center;">Personality and Character Development</td> <td>NCG11</td> <td>Sports</td> <td rowspan="5" style="text-align: center;">1</td> </tr> <tr> <td>NCG12</td> <td>Yoga for Youth Empowerment</td> </tr> <tr> <td>NCG13</td> <td>National Cadet Corps</td> </tr> <tr> <td>NCG14</td> <td>National Service Scheme</td> </tr> <tr> <td>NCG15</td> <td>Extra Curricular Activities</td> </tr> <tr> <td rowspan="5" style="text-align: center;">Allied Skills / Value Added Courses</td> <td>NCG21</td> <td>Co Curricular Activities</td> <td rowspan="5" style="text-align: center;">1</td> </tr> <tr> <td>NCG22</td> <td>English Proficiency Certification</td> </tr> <tr> <td>NCG23</td> <td>NPTEL online courses related to Allied Skills</td> </tr> <tr> <td>NCG24</td> <td>Foreign / Vernacular Languages</td> </tr> <tr> <td>NCG25</td> <td>Aptitude Proficiency Certification</td> </tr> </tbody> </table>	Category	Code	Courses	Credit	Personality and Character Development	NCG11	Sports	1	NCG12	Yoga for Youth Empowerment	NCG13	National Cadet Corps	NCG14	National Service Scheme	NCG15	Extra Curricular Activities	Allied Skills / Value Added Courses	NCG21	Co Curricular Activities	1	NCG22	English Proficiency Certification	NCG23	NPTEL online courses related to Allied Skills	NCG24	Foreign / Vernacular Languages	NCG25	Aptitude Proficiency Certification
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	NCG12	Yoga for youth empowerment																																																							
	NCG13	National Cadet Corps																																																							
	NCG14	National Service Scheme																																																							
	NCG15	YRC																																																							
Allied Skills	NCG21	Co/Extra Curricular Activities	1																																																						
	NCG22	English Proficiency Certification																																																							
	NCG23	Soft Skills																																																							
	NCG24	Foreign / Vernacular Languages																																																							
	NCG25	Aptitude Proficiency Certification																																																							
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	NCG14	National Service Scheme																																																							
	NCG15	Extra Curricular Activities																																																							
Allied Skills / Value Added Courses	NCG21	Co Curricular Activities	1																																																						
	NCG22	English Proficiency Certification																																																							
	NCG23	NPTEL online courses related to Allied Skills																																																							
	NCG24	Foreign / Vernacular Languages																																																							
	NCG25	Aptitude Proficiency Certification																																																							

UNDER GRADUATE DEGREE PROGRAMMES

Existing UG Regulations - 2019				Amended UG Regulations - 2019			
	NCG26	Globally accepted Certification Courses			NCG26	Globally accepted Certification Courses	
	NCG27	Socially Responsible Activities			NCG27	Socially Responsible Activities	
	NCG28	Critical and Creative Thinking			NCG28	Critical and Creative Thinking	
6.9	No course shall be offered by a department unless a minimum of 10 students are registered for that course.			6.9	No course shall be offered by a department unless a minimum of 5 students are registered for that course.		
6.10.6	NIL			6.10.6	The students shall register and complete their courses within the minimum duration of the degree programme as per clause 5.1. However, if the students are unable to register the courses within the said duration, they shall register their courses in the subsequent academic year irrespective of Odd or Even semester. However, the maximum credits in a semester should not exceed 30.		
9.8	The class committee shall meet at least twice in a semester: <ul style="list-style-type: none"> ▪ The first meeting, a week after the <u>first test</u> results. ▪ The second meeting, a week after the <u>third test</u> results. 			9.8	The class committee shall meet four times in a semester: <ul style="list-style-type: none"> ▪ The first meeting, two weeks after commencement of the classes. ▪ The second meeting, a week after the <u>first internal assessment results</u>. ▪ The third meeting, after the <u>second internal assessment results</u>. ▪ The fourth meeting, after the evaluation of End semester Examinations to finalize the grades based on clause 15.1 of R-2019. The student representatives will not be present for this meeting. 		

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Existing UG Regulations - 2019	Amended UG Regulations - 2019
<p>12.10</p> <p align="center">NIL</p>	<p>12.10 Monitoring Committee for Continuous Assessment</p> <p>The monitoring committee is constituted by the HOD, which consists of two senior faculty members from the department to ensure quality in continuous assessment (CA) process and assessment outcomes. The roles and responsibilities of the committee in evaluating the academic process are as follows</p> <ol style="list-style-type: none"> 1. To verify the teaching learning process carried out as per Course plan. 2. To audit IAT question paper and other assessments. 3. To ensure the consistency and unbiased mark allocation. 4. To suggest the corrective measures, if needed. 5. Submit the committee report to the Head of the Department.
<p>14.0 PASSING REQUIREMENTS</p> <ol style="list-style-type: none"> i. A student shall be deemed to have passed a theory course, if the total marks secured by him/her (CA+ESE put together) is at least $(\mu - 1.8 \sigma)$ or 50%, whichever is lower, where μ is the average mark of the students registered for the course and σ is the corresponding standard deviation. However, the student has to secure a minimum of 60% of μ or 50% in the End Semester Examination (ESE), whichever is lower. ii. A student is deemed to have passed a Laboratory Course, Industrial Training, In-plant Training, Internship, Mini Project and Project Work if the total mark secured by him/her is at least 50%. However, the student has to secure a minimum of 50% in the end Semester Examination. iii. 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 	<p>14.0 PASSING REQUIREMENTS <i>(Applicable for the students admitted in 2019-2020 only)</i></p> <ol style="list-style-type: none"> i. A student shall be deemed to have passed a theory course, if the total marks secured by him/her (CA+ESE put together) is at least $(\mu - 1.8 \sigma)$ or 50%, whichever is lower, where μ is the average mark of the students registered for the course and σ is the corresponding standard deviation. However, the student has to secure a minimum of 60% of μ or 50% in the End Semester Examination (ESE), whichever is lower. ii. A student is deemed to have passed a Laboratory Course, Industrial Training, In-plant Training, Internship, Mini Project and Project Work if the total mark secured by him/her is at least 50%. However, the student has to secure a minimum of 50% in the end Semester Examination. iii. 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

UNDER GRADUATE DEGREE PROGRAMMES

Existing UG Regulations - 2019	Amended UG Regulations - 2019
<p>Semester Examination)</p> <ul style="list-style-type: none"> 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 examination and 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 <ul style="list-style-type: none"> iv. A student is deemed to have passed a laboratory course consisting of two parts (Part A & Part B), if he/she secures 50% of marks in total put together in the End Semester Examination. v. If a student appears in a course conducted exclusively as arrear examination, then his / her grade in that course will be based on the grade range allotted for the same score in that course in the immediately preceding regular examination. vi. If a student appears in a course as arrear examination which is being conducted as a regular examination for another batch of regular students, then his / her grade in that course will be based on the grade range allotted to the same score in that course applicable to the above batch of regular students. vii. A student, who is absent for the end semester examination or withdraws from final examination or secures a letter grade RA in any course, has to register for arrear examinations for all such courses at the next available opportunity and complete them. Grades for the arrear examinations will be decided based on the original grade ranges of the class to which he/she belongs. viii. if a student who has registered for a one-credit course or additional course does not clear the same successfully, it will be treated on par with a course "withdrawn" by a student. 	<p>attempt onwards if a candidate fails to obtain pass marks (Internal Assessment + End Semester Examination)</p> <ul style="list-style-type: none"> 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 examination and 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 <ul style="list-style-type: none"> iv. A student is deemed to have passed a laboratory course consisting of two parts (Part A & Part B), if he/she secures 50% of marks in total put together in the End Semester Examination. v. If a student appears in a course conducted exclusively as arrear examination, then his / her grade in that course will be based on the grade range allotted for the same score in that course in the immediately preceding regular examination. vi. If a student appears in a course as arrear examination which is being conducted as a regular examination for another batch of regular students, then his / her grade in that course will be based on the grade range allotted to the same score in that course applicable to the above batch of regular students. vii. A student, who is absent for the end semester examination or withdraws from final examination or secures a letter grade RA in any course, has to register for arrear examinations for all such courses at the next available opportunity and complete them. Grades for the arrear examinations will be decided based on the original grade ranges of the class to which he/she belongs. viii. if a student who has registered for a one-credit course or additional course does not clear the same successfully, it will be treated on par with a course withdrawn by a student.

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Existing UG Regulations - 2019	Amended UG Regulations - 2019
<p>14.a N I L</p>	<p>14.a PASSING REQUIREMENTS <i>(Applicable for the students admitted from 2020 - 2021 onwards)</i></p> <ul style="list-style-type: none"> i. A student shall be deemed to have passed a theory/laboratory course/ integrated course, if the total mark secured by him/her (CA+ESE) is 50%. However it is mandatory for the students to appear in the End Semester Examinations. ii. A student is deemed to have passed industrial training, Inplant training, Internship, Mini Project and Project work, if the total mark secured by him/her is at least 50%. iii. 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) then the candidate shall be declared to have passed the examination if he/she secures at least 50% marks in the end semester theory / practical examination. iv. A student is deemed to have passed a laboratory course consisting of two parts (Part A & Part B), if he/she secures 50% marks (CA+ESE) in two parts put together. v. If a student appears in a course conducted exclusively as arrear examination, then his / her grade in that course will be based on the grade range allotted for the same score in that course in the immediately preceding regular examination. vi. If a student appears in a course as arrear examination which is being conducted as a regular examination for another batch of regular students, then his / her grade in that course will be based on the grade range allotted to the same score in that course applicable to the above batch of regular students.

UNDER GRADUATE DEGREE PROGRAMMES

Existing UG Regulations - 2019	Amended UG Regulations - 2019
	<p>vii. A student, who is not registered or not qualified to register for want of attendance in the end semester examination or withdraws from final examination, has to register for all such courses at the next available opportunity and complete them.</p> <p>viii. If a student who has registered for a one-credit course or additional course does not clear the same successfully, it will be treated on par with a course withdrawn by a student.</p>
<p>15.0 AWARD OF LETTER GRADES</p> <p>15.1 All assessments of a course will be done on an absolute mark basis. Each student based on his/her performance will be awarded a final letter grade and grade point, based on the performance of the student relative to others who have registered for that particular theory course. However, if the class strength is less than 25, then the grading system shown in Table-16 of clause 15.1 (ii) will be followed.</p> <p>i. The letter grade and the grade point to each student studying theory / integrated courses (Internal and End semester examinations) are generally awarded based on the statistical parameters, Mean (μ) and Standard Deviation (σ) of the distribution of marks as detailed in Table-15.</p>	<p>15.0 AWARD OF LETTER GRADES <i>(Applicable for the students admitted in 2019-2020 only)</i></p> <p>15.1 All assessments of a course will be done on an absolute mark basis. Each student based on his/her performance will be awarded a final letter grade and grade point, based on the performance of the student relative to others who have registered for that particular theory course. However, if the class strength is less than 25, then the grading system shown in Table-16 of clause 15.1 (ii) will be followed.</p> <p>i. The letter grade and the grade point to each student studying theory / integrated courses (Internal and End semester examinations) are generally awarded based on the statistical parameters, Mean (μ) and Standard Deviation (σ) of the distribution of marks as detailed in Table-15.</p>
<p>15.1 (a) NIL</p>	<p>15.0 AWARD OF LETTER GRADES <i>(Applicable for the students admitted from 2020 - 2021 onwards)</i></p> <p>15.1(a) Class Committee for fixing grades After evaluating the end semester answer scripts of each regular course, (Theory / Laboratory / Integrated course / Project / Internship / In-plant Training / Research paper and Patent Review), the list of marks (CA+ESE) will be handed over to the chairman of the class committee. The Class committee will fix the grade ranges during</p>

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the fourth class committee meeting. In this meeting student members shall not be permitted to attend.

If the mark secured by the student is less than 50, he/she will be awarded with RA grade (Re Appearance). All other grades will be decided in the class committee meeting. While fixing the grades, the following guidelines will be adopted:

1. To fix the grade range, the marks less than 50 shall be omitted.
2. To fix the grades, the mean mark shall be at the middle of the 'A' grade range.
3. To calculate the mean value, the marks 50 and above only shall be considered.
4. To decide the range for each grade, approximately normal distribution shall be followed.
5. Submit the grade ranges and grades to office of Controller of Examinations.

TABLE -15 AWARD OF LETTER GRADES

Letter grade	Grade points	Marks range
O (Outstanding)	10	Decided by the Class Committee
A+ (Excellent)	9	
A (Very Good)	8	
B+ (Good)	7	
B (Above average)	6	
RA (Re Appearance)	0	< 50
SA (Shortage of Attendance)	0	
AB (Absent)	0	
W (Withdrawal from Examination)	0	

ANNEXURE-II

		Existing UG Regulations - 2019	Amended UG Regulations - 2019
NCG15		EXTRA-CURRICULAR ACTIVITIES	CREDIT: 1
1.	Pre – requisites / Eligibility Conditions	-	-
2.	Detail of Course Content / Syllabus	Activities as decided by the respective club convener / coordinator	Activities as decided by the respective club convener / coordinator
3.	Duration of the Course	Minimum requirements as specified by the club convener / Coordinator	Minimum requirements as specified by the club convener / Coordinator
4.	Assessment Procedure	Evaluation will be based on attending periodical meetings (Attendance) / Camp / Orphanage visit / Test / Awareness Programmes	Based on attendance and assessment of learning as per the objective of the programme.
5.	Criteria for allocation of credit	Active participation certificate with good conduct in Fine arts / Rotract / Junior JAYCEE / RRC / Youth welfare Association / Quiz / Science / Mathematics / Literary Associates / IAS academy and all other approved clubs.	Successful completion of Soft skill Training programme like personality development, communication skills, interpersonal skills etc conducted by Fine arts / Rotract / Junior JAYCEE / RRC / YRC / Youth welfare Association / Quiz / Science / Mathematics / Literary Associates / IAS academy/Readers Park and all other approved clubs with a minimum of 20 contact hours and being ensured by the concerned staff coordinators.
NCG21		CO-CURRICULAR ACTIVITIES	CREDIT: 1
1.	Pre – requisites / Eligibility Conditions	-	-
2.	Detail of Course Content / Syllabus	Periodical meetings, Blood Donation Camp, Orphanage visit, Awareness Programmes, Test related to YRC (Multiple Choice Questions)	Activities as decided by the respective professional chapters Convener / Coordinator
3.	Duration of the Course	One year	20 contact hours on specific programme organized by the respective clubs.
4.	Assessment Procedure	Evaluation will be based on attending periodical meetings (Attendance) / Camp / Orphanage visit / Test / Awareness Programmes	Based on attendance and assessment of learning as per the objective of the programme.

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5.	Criteria for allocation of credit	Active participation certificate with good conduct in YRC club activities	Successful completion of specific allied skills training like presentation skills, organization skills, technical skills etc conducted by professional chapters IEEE / ISTE / IE(I) / CSI and all other approved chapters and department associations, with a minimum of 20 contact hours and being ensured by the concerned staff coordinators.
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Ueda
4/7.

Academic Council Meeting on 06.06.2020

Google online Meet link: <https://meet.google.com/ehu-hhmc-qpy>

ehu-hhmc-qpy (2020-06-06 at 02:49 GMT-7)

AGENDA

- To confirm the minutes of the 12th Academic Council Meeting held on 07.12.2019.
- Approval for the academic process carried out during the lockdown periods for UG and PG programmes
- Approval for the maximum credits to 36.
- Approval for new one credit courses
- Approval for conducting online project viva with external examiner through online.
- Approval for amendments in Regulations 2015.
- Approval for amendments in Regulations 2019.

00:34

ehu-hhmc-qpy (2020-06-06 at 02:49 GMT-7)

REC You are presenting

You're presenting to everyone

Stop presenting

1:05:54 / 1:40:04

ehu-hhmc-qpy (2020-06-06 at 02:49 GMT-7)

Press **Esc** to exit full screen

- TO CONSIDER AND APPROVE the following

Lockdown period	Activities
Phase - I	<ul style="list-style-type: none"> • Completion of remaining portions of even semester 2019-20 • Conducted IAT through online mode. • Conducted reviews for project work and internship through online mode.
Phase - II	<ul style="list-style-type: none"> • Conducted one credit courses
Phase - III	<ul style="list-style-type: none"> • On-going Programme elective courses, Inter-disciplinary courses and Trans-disciplinary courses

• It is planned to refresh the courses taught during the lock down periods before the end semester examinations, once the college is reopen.

1:40:04

0:11 / 1:40:04