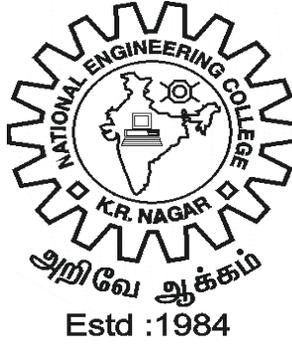# NATIONAL ENGINEERING COLLEGE

(An Autonomous Institution)

K.R.NAGAR, KOVILPATTI – 628 503

Estd :1984

MINUTES – THIRD ACADEMIC COUNCIL

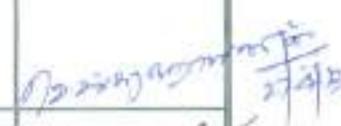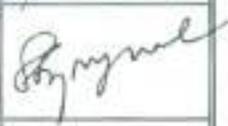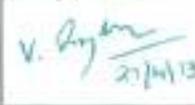**Date:** *27th April 2013*   **Time:** *10.30A.M*
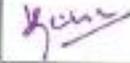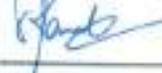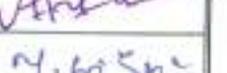
Venue: *Conference Hall of the Administrative Block*

NATIONAL ENGINEERING COLLEGE, K.R.NAGAR, KOVILPATTI
(An Autonomous Institution)

MINUTES OF THE THIRD ACADEMIC COUNCIL MEETING HELD ON 27.04.2013

The Third meeting of the Academic Council was held at 10.30 A.M on 27.04.2013 at the Conference Hall in the Administrative Block under the Chairmanship of **Dr.P.Subburaj, Principal.**

Members Present

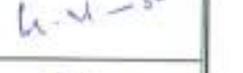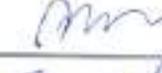| SL.No	Name		Signature
External experts nominated by the Governing Body			
1.	Mr.A.K.Pattabiraman Head, Accreditation Process for South India Tata Consultancy Services Limited Thoraipakkam, Chennai.	Member	
2.	Dr.V.Sankaranarayanan Director B. S. Abdur Rahman Crescent Engg. College G.S.T. Road, Vandalur, Chennai.	Member	
3.	Dr.Shanmugavel Professor / ECE Anna University, Guindy, Chennai.	Member	
4.	Dr.V.Jayabalan Professor / Manufacturing Engg. Division Anna University, Guindy, Chennai.	Member	
Other External Members			
5.	Mr.V.Veerappan Cofounder & President Tessolve Services Private Limited Plot No: 31 (P2), Electronic City Phase II Bangalore.	Member	
University Nominees			
6.	Dr.S.Thamarai Selvi Professor of Computer Technology Dean, MIT Campus, Anna University, Chromepet, Chennai.	Member	
7.	Dr.S.Baskar Professor / EEE Thiyagarajar Engineering College Madurai.	Member	
8.	Dr.A.Navaneetha Gopalakrishnan Professor / Civil Engineering Centre for Environmental Studies Anna University, Chennai.	Member	

Special Invitees

9.	Dr.Kn.K.S.K.Chockalingam Director	Member	
10.	Dr.V.Seenivasagam Controller of Examinations	Member	
11.	Dr.S.L.Mannan Dean (R&D)	Member	
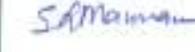
Internal Members

12.	Dr.P.Subburaj Principal	Chairman	
13.	Dr.B.Sankaragomathi Professor & Dean (Academic)	Member	
14.	Dr.V.Vijayarangan Dean (TCP)	Member	
15.	Dr.D.Ravindran Professor & Head / Mechanical	Member	
16.	Dr.D.Manimegalai Professor & Head / IT	Member	
17.	Dr.B.Paramasivan Professor & Head / CSE	Member	
18.	Dr.A.Abudhahir Professor & Head / E & I	Member	
19.	Dr.M.Willjuice Iruthayarajan Asso. Professor (Sr.Gr) & Head / EEE	Member	
20.	Dr.C.Puthiyasekar Professor & Head / Civil	Member	
21.	Dr.M.A.Neelakandan Professor & Head / Sci. & Humanities	Member	
22.	Prof. S.Rammurthy P.S to Principal	Member	
23.	Dr.K.Manisekar Professor & Head / CMS	Member	
24.	Dr.A.Shenbagavalli Professor & Head / ECE	Member	
25.	Dr.K.G.Srinivasagan Professor & Head / CSE - PG	Member	
26.	Mrs.D.Santhi Asst. Professor (SG) / E & I	Member	
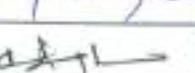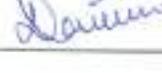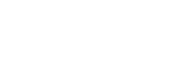
Faculty member nominated by the Principal			
27.	Mr.Jackson Daniel Asso.Professor / E & I	Member	*[signature]*
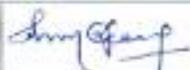
1. The meeting started with the welcome address by the Chairman of the Academic Council & Dean (Academic) briefed the various agenda items to be presented and about the Business to be carried out in the Academic Council meeting.

1.1 BUSINESS BROUGHT FORWARD BY THE CHAIRMAN

1.1.1 TO CONFIRM THE MINUTES OF SECOND MEETING OF THE ACADEMIC COUNCIL WAS HELD ON 10ᵗʰ DECEMBER 2011.

The minutes of the Second meeting of the Academic Council was held on 10.12.2011, communicated to the members vide letter No. NEC/Dean (Aca)/AC-Minutes / 2011-12 dated 12/12/2011. The comments received have been incorporated and now for confirmation.

1.1.2 *TO CONSIDER* AND RATIFY THE AMENDMENT TO CLAUSE 3.0 AND 4.1 OF REGULATIONS – 2011 FOR UG DEGREE COURSES

RESOLVED TO RATIFY THE AMENDMENT TO CLAUSE 3.0 AND 4.1 OF REGULATIONS – 2011 FOR UG DEGREE COURSES

1.1.3 *TO CONSIDER* AND RATIFY THE AMENDMENT TO CLAUSE 2.1, 4.3.4, 4.3.7, 5.1, 5.3.1, 5.3.2, 9.4, 11.1 AND 18 OF REGULATIONS – 2011 FOR PG DEGREE COURSES

RESOLVED TO RATIFY THE AMENDMENT TO CLAUSE 2.1, 4.3.4, 4.3.7, 5.1, 5.3.1, 5.3.2, 9.4, 11.1 AND 18 OF REGULATIONS – 2011 FOR PG DEGREE COURSES

1.1.4 *TO CONSIDER* AND APPROVE THE REGULATIONS – 2013 FOR PG DEGREE COURSES

RESOLVED TO APPROVE THE REGULATIONS – 2013 FOR PG DEGREE COURSES

II. BUSINESS BROUGHT FORWARD BY THE BOARD OF STUDIES

DME: DEPARTMENT OF MECHANICAL ENGINEERING

DME 03.01 *TO CONSIDER* AND APPROVE THE CURRICULUM AND SYLLABI OF THIRD YEAR AND CURRICULUM OF FINAL YEAR B.E – MECHANICAL ENGINEERING (REGULATIONS – 2011)

RESOLVED TO APPROVE THE CURRICULUM AND SYLLABI OF THIRD YEAR AND CURRICULUM OF FINAL YEAR B.E – MECHANICAL ENGINEERING (REGULATIONS – 2011)

DME 03.02 *TO CONSIDER* AND APPROVE THE CURRICULUM AND SYLLABI OF M.E – ENERGY ENGINEERING (REGULATIONS – 2013)

RESOLVED TO APPROVE THE CURRICULUM AND SYLLABI OF M.E – ENERGY ENGINEERING (REGULATIONS – 2013)

DME 03.03 *TO CONSIDER* AND APPROVE THE CURRICULUM AND SYLLABI OF M.TECH – PRODUCTION ENGINEERING (REGULATIONS – 2013)

RESOLVED TO APPROVE THE CURRICULUM AND SYLLABI OF M.TECH – PRODUCTION ENGINEERING (REGULATIONS – 2013)

DCS: DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

DCS 03.01 *TO CONSIDER* AND APPROVE THE CURRICULUM AND SYLLABI OF THIRD YEAR AND CURRICULUM OF FINAL YEAR B.E. – COMPUTER SCIENCE AND ENGINEERING (REGULATIONS – 2011)

RESOLVED TO APPROVE THE CURRICULUM AND SYLLABI OF THIRD YEAR AND CURRICULUM OF FINAL YEAR B.E. – COMPUTER SCIENCE AND ENGINEERING (REGULATIONS – 2011)

DCS 03.02 *TO CONSIDER* AND APPROVE THE CURRICULUM AND SYLLABI OF M.E – COMPUTER SCIENCE AND ENGINEERING (REGULATIONS – 2013)

RESOLVED TO APPROVE THE CURRICULUM AND SYLLABI OF M.E – COMPUTER SCIENCE AND ENGINEERING (REGULATIONS – 2013)

DCS 03.03 *TO CONSIDER* AND APPROVE THE CURRICULUM AND SYLLABI OF FIRST YEAR MASTER OF COMPUTER APPLICATIONS (REGULATIONS – 2013)

RESOLVED TO APPROVE THE CURRICULUM AND SYLLABI OF FIRST YEAR MASTER OF COMPUTER APPLICATIONS (REGULATIONS – 2013)

DEC: DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

DEC 03.01 *TO CONSIDER* AND APPROVE THE CURRICULUM AND SYLLABI OF THIRD YEAR AND CURRICULUM OF FINAL YEAR B.E. – ELECTRONICS AND COMMUNICATION ENGINEERING (REGULATIONS – 2011)

RESOLVED TO APPROVE THE CURRICULUM AND SYLLABI OF THIRD YEAR AND CURRICULUM OF FINAL YEAR B.E. – ELECTRONICS AND COMMUNICATION ENGINEERING (REGULATIONS – 2011)

DEC 03.02 *TO CONSIDER* AND APPROVE THE CURRICULUM AND SYLLABI OF M.E – COMMUNICATION SYSTEMS (REGULATIONS – 2013)

RESOLVED TO APPROVE THE CURRICULUM AND SYLLABI OF M.E – COMMUNICATION SYSTEMS (REGULATIONS – 2013)

DEC 03.03 *TO CONSIDER* AND APPROVE THE CURRICULUM AND SYLLABI OF M.E. – EMBEDDED SYSTEMS TECHNOLOGIES (REGULATIONS – 2013)

RESOLVED TO APPROVE THE CURRICULUM AND SYLLABI OF M.E. – EMBEDDED SYSTEMS TECHNOLOGIES (REGULATIONS – 2013)

DEE: DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING

DEE 03.01 *TO CONSIDER* AND APPROVE THE CURRICULUM AND SYLLABI OF THIRD YEAR AND CURRICULUM OF FINAL YEAR B.E. – ELECTRICAL AND ELECTRONICS ENGINEERING (REGULATIONS – 2011)

RESOLVED TO APPROVE THE CURRICULUM AND SYLLABI OF THIRD YEAR AND CURRICULUM OF FINAL YEAR B.E. – ELECTRICAL AND ELECTRONICS ENGINEERING (REGULATIONS – 2011)

DEE 03.02 *TO CONSIDER* AND APPROVE THE CURRICULUM AND SYLLABI OF M.E –
HIGH VOLTAGE ENGINEERING (REGULATIONS – 2013)

RESOLVED TO APPROVE THE CURRICULUM AND SYLLABI OF M.E – HIGH
VOLTAGE ENGINEERING (REGULATIONS – 2013)

DEI: DEPARTMENT OF ELECTRONICS & INSTRUMENTATION ENGINEERING

DEI 03.01 *TO CONSIDER* AND APPROVE THE CURRICULUM AND SYLLABI OF THIRD
YEAR AND CURRICULUM OF FINAL YEAR B.E – ELECTRONICS AND
INSTRUMENTATION ENGINEERING (REGULATIONS – 2011)

RESOLVED TO APPROVE THE CURRICULUM AND SYLLABI OF THIRD
YEAR AND CURRICULUM OF FINAL YEAR B.E – ELECTRONICS AND
INSTRUMENTATION ENGINEERING (REGULATIONS – 2011)

DEI 03.02 *TO CONSIDER* AND APPROVE THE CURRICULUM AND SYLLABI OF M.E –
CONTROL AND INSTRUMENTATION (REGULATIONS – 2013)

RESOLVED TO APPROVE THE CURRICULUM AND SYLLABI OF M.E –
CONTROL AND INSTRUMENTATION (REGULATIONS – 2013)

DCE: DEPARTMENT OF CIVIL ENGINEERING

DCE 03.01 *TO CONSIDER* AND RATIFY THE CURRICULUM AND SYLLABI OF FIRST
YEAR B.E –   CIVIL ENGINEERING (REGULATIONS – 2011)

RESOLVED TO RATIFY THE CURRICULUM AND SYLLABI OF FIRST YEAR
B.E – CIVIL ENGINEERING (REGULATIONS – 2011)

DCE 03.02 *TO CONSIDER* AND APPROVE THE CURRICULUM AND SYLLABI OF
SECOND YEAR B.E – CIVIL ENGINEERING (REGULATIONS – 2011)

RESOLVED TO APPROVE THE CURRICULUM AND SYLLABI OF SECOND
YEAR B.E – CIVIL ENGINEERING (REGULATIONS – 2011)

DIT: DEPARTMENT OF INFORMATION TECHNOLOGY

DIT 03.01 *TO CONSIDER* AND APPROVE THE CURRICULUM AND SYLLABI OF THIRD YEAR AND CURRICULUM OF FINAL YEAR B.TECH – INFORMATION TECHNOLOGY (REGULATIONS – 2011)

RESOLVED TO APPROVE THE CURRICULUM AND SYLLABI OF THIRD YEAR AND CURRICULUM OF FINAL YEAR B.TECH – INFORMATION TECHNOLOGY (REGULATIONS – 2011)

DIT 03.02 *TO CONSIDER* AND APPROVE THE CURRICULUM AND SYLLABI OF M.E – COMPUTER AND COMMUNICATION (REGULATIONS – 2013)

RESOLVED TO APPROVE THE CURRICULUM AND SYLLABI OF M.E – COMPUTER AND COMMUNICATION (REGULATIONS – 2013)

III. ANY OTHER MATTER

III.1.1. AS PER THE LETTER NO.377/AU/CAC/2013 DATED 18.01.2013 FROM ANNA UNIVERSITY CHENNAI, DIRECTOR – ACADEMIC COURSES INSTRUCTED US TO **RENAME** THE FOLLOWING PG COURSES

    i.   M.E COMPUTER AND COMMUNICATION

    ii.   M.Tech PRODUCTION ENGINEERING

RESOLVED TO RENAME THE PG COURSES M.E COMPUTER AND COMMUNICATION & M.Tech PRODUCTION ENGINEERING DURING THE ACADEMIC YEAR 2014 – 2015 AFTER GETTING APPROVAL FROM AICTE, NEW DELHI.

SUGGESTION GIVEN TO INCLUDE THE LABORATARY EXPERIMENTS USING LATEST OPEN SOURCE SOFTWARES FOR CSE & IT UG COURSES.

RESOLVED TO INCLUDE THE LABORATARY EXPERIMENTS USING LATEST OPEN SOURCE SOFTWARES FOR CSE & IT UG COURSES.

Modifications in Regulations – 2011 for UG Degree Courses

Details of Paragraph in Regulations – 2011	Amendments
Clause 3.0 Branch - I : Mechanical Engineering Branch - II : Electronics and Communication Engineering Branch - III : Computer Science and Engineering Branch - IV : Electrical and Electronics Engineering Branch - V : Electronics and Instrumentation Engineering Branch - VI : Information Technology	1. B.E. (Mechanical Engineering) 2. B.E. (Electronics and Communication Engineering) 3. B.E. (Computer Science and Engineering) 4. B.E. (Electrical and Electronics Engineering) 5. B.E. (Electronics and Instrumentation Engineering) 6. B.E. (Civil Engineering) 7. B.Tech. (Information Technology)
Clause 4.1 The duration for the B.E. / B.Tech. Degrees shall extend over a period of eight (8) semesters and (6) six semesters for the regular and lateral entry candidates admitted in the first semester and third semester respectively. For Maximum number of semesters refer Clause 10.1. i.e., The maximum time limit for the completion of the B.E. / B.Tech. Degree programmes will be 7 (SEVEN) years (FOURTEEN consecutive semesters) from the date of admission to the first semester of the programme and 6 (SIX) years (TWELVE consecutive semesters) for the lateral entry candidates from the date of admission to the third semester of the programme.	The minimum and maximum period for completion of the UG programs are given below. <table><thead><tr><th>Program</th><th>Minimum No. of semesters</th><th>Maximum No. of semesters</th></tr></thead><tbody><tr><td>B.E / B.Tech</td><td>8</td><td>14</td></tr><tr><td>B.E / B.Tech Lateral Entry</td><td>6</td><td>12</td></tr></tbody></table>

Modifications in Regulations – 2011 for PG Degree Courses

Details of Paragraph in Regulations – 2011	Amendments
Clause 2.1 1. M.E. (Energy Engineering) 2. M.Tech.(Production Engineering) 3. M.E. (Computer Science and Engineering) 4. M.E. (Computer and Communication) 5. M.E. (Communication Systems) 6. M.E. (High Voltage Engineering) 7. M.E. (Control and Instrumentation) 8. M.C.A (Master of Computer Applications)	1. M.E. (Energy Engineering) 2. M.Tech.(Production Engineering) 3. M.E. (Computer Science and Engineering) 4. M.E. (Computer and Communication) 5. M.E. (Communication Systems) 6. M.E. (High Voltage Engineering) 7. M.E. (Control and Instrumentation) 8. M.E. (Embedded Systems Technologies) 9. M.C.A (Master of Computer Applications)
Clause 4.3.4 Project work shall be carried out under the supervision of a "qualified teacher" in the Department concerned. In this context "qualified teacher" means the faculty member possessing Ph.D degree or PG degree with a minimum of 3 years experience in teaching PG courses.	Project work shall be carried out under the supervision of a "qualified teacher" in the Department concerned. In this context "qualified teacher" means the faculty member possessing Ph.D degree or PG degree with a minimum of 3 years experience in teaching UG level.
Clause 4.3.7 The deadline for submission of final Project Report is 60 calendar days from the last working day of the semester in which project / thesis / dissertation is done. However, the Phase-I of the Project work in the case M.E. / M.Tech shall be submitted within a maximum period of 30 calendar days from the last working day of the semester as per the academic calendar published by the College.	The deadline for submission of final Project Report is 30 calendar days from the last working day of the semester in which project / thesis / dissertation is done. However, the Phase-I of the Project work in the case M.E. / M.Tech shall be submitted within a maximum period of 15 calendar days from the last working day of the semester as per the academic calendar published by the College.
Clause 5.1 The project work shall be evaluated for a maximum of 100 marks of which 40 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 40 marks and External 60 marks for each phase which can be distributed as detailed below.	The project work shall be evaluated for a maximum of 100 marks of which 40 marks will be through internal assessment. There should be a minimum of three reviews for each phase (Phase I & Phase II) to be conducted separately with Internal 40 marks and External 60 marks for each phase which can be distributed as detailed below. (Ref. Table in the Annexure)
Clause 5.3.1 If a candidate fails in the viva-voce examinations of Phase–I, he/she has to resubmit the Project Report within 30 days from the date of declaration of the results. If he / she fail in the viva-voce examination of Phase – II of Project work of M.E. / M.Tech, or the Final Project work of M.C.A,	If a candidate fails in the viva-voce examinations of Phase–I, he/she has to resubmit the Project Report within 15 days from the date of declaration of the results. If he / she fail in the viva-voce examination of Phase – II of Project work of M.E. / M.Tech, or the Final Project work of M.C.A, he/she shall resubmit the Project report within 30

he/she shall resubmit the Project report within 60 days from the date of declaration of the results. For this purpose, the same Internal and External examiner shall evaluate the re-submitted report.	days from the date of declaration of the results. For this purpose, the same Internal and External examiner shall evaluate the re-submitted report.
Clause 5.3.2 Every candidate doing M.E. / M.Tech shall send a paper / patent for publication in a journal or a conference. An acknowledgement from the Supervisor for having communicated to the journal or conference shall be attached to the report of the project work. Such acknowledgements shall be sent to the Controller of Examination along with the evaluation marks by the team of examiners without which the thesis shall not be accepted.	Every candidate doing M.E. / M.Tech shall send a paper for publication in a Journal / National & International Conference. An acknowledgement from the Supervisor for having accepted for publication in the Journal or presented in National or International Conference shall be attached to the report of the project work. Such acknowledgements shall be sent to the Controller of Examinations along with the evaluation marks by the team of examiners without which the thesis shall not be accepted.
Clause 9.4 The seminar is to be considered as purely INTERNAL (with 100% internal marks only). Every student is expected to present a minimum of 4 seminars per semester and for each seminar marks can be equally apportioned. At the end of the semester the marks can be consolidated and taken as the final mark and hence, there is no need for End semester examination for SEMINAR.	The seminar is to be considered as purely INTERNAL (with 100% internal marks only). Every student is expected to present a minimum of 2 seminars per semester and for each seminar marks can be equally apportioned. At the end of the semester the marks can be consolidated and taken as the final mark and hence, there is no need for End semester examination for SEMINAR.
Clause: 11.1 A candidate shall be permitted to appear for the End Semester examination of the current semester if he/she has satisfied the semester completion requirements as per clause 10.1 & 10.2 and has registered for examination in all courses of the current semester.	A candidate shall be permitted to appear for the End Semester examination of the current semester if he/she has satisfied the semester completion requirements as per clause 10.1, 10.2 & 10.3, also he / she has registered for examination in all courses of the current semester. (*Ref. Annexure*)
Clause:18 A candidate may, for valid reasons, be granted permission to withdraw from appearing for any course or courses of only one semester examination during the entire duration of the degree Programmes. Also only one application for withdrawal is permitted for that semester examination in which withdrawal is sought. Withdrawal application shall be valid only if the candidate is otherwise eligible (as per clause 13.1) to write the examinations and if it is made **prior to the examination** in that course and also recommended by the Head of Department	18.1 A candidate will be permitted to withdraw any one of the course or courses of only one semester examinations during the entire duration of the Degree Programme, for valid and genuine reasons by making an application in the office of the Controller of Examinations along with the Hall ticket or attendance certificate from the Head of the Department for withdrawal at least one day in advance of the last theory examination in that semester. 18.2 When he/she appears in subsequent immediate semester, he/she has to appear

and Head of the Institution. A Xerox copy of the hall ticket must be enclosed along with the withdrawal application and submitted to COE, National Engineering College. Withdrawal shall not be construed as appearance for the eligibility of a candidate for the purpose of classification vide clause 16.1 and 16.2.	for the respective course / courses of that semester. Subsequent appearance will not be counted as separate attempt. 18.3 Those candidates who withdraw are eligible for the award of First Class and First Class with Distinction as per the requirement in this regard. However he/she will not be ranked. 18.4 Withdrawal is permitted only once in the whole programme.

ANNEXURE

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

Previously a minimum of two reviews for each phase (Phase I and Phase II) were to be conducted separately with Internals 40 marks and External 60 marks for each phase. The allocation of marks for Review I, Review II and attendance were 15, 15 and 10 respectively.

As per the suggestion given by the Academic Council members it is resolved to conduct three reviews for each phase. The allocation of marks for Review I, Review II, Review III and attendance are 10, 10, 15 and 5 respectively. The distribution of marks for Internal and External as suggested by members is given in the table.

Table

Project work	Internal (40 Marks) 35 (Reviews) + 5 (Attendance)			External (60 Marks)			
	Review I	Review II	Review III	Thesis (30)	Viva-voce (30)		
				External	Internal	External	Supervisor
Phase – I	10	10	15	30	10	10	10
Phase – II	10	10	15	30	10	10	10

10.1 A candidate who has fulfilled the following conditions shall be deemed to have satisfied the requirements for completion of a semester:

   a. He/she should have earned not less than 75% of attendance on an average in all the courses of that semester,

   b. His/her progress should be satisfactory, and

   c. His/her conduct should be satisfactory.

10.2 Students who have earned less than 75% attendance on an average in all the courses of that semester are not deemed to have completed the semester.

10.3 However, a candidate who could secure 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 in the current semester due to medical reasons (hospitalization / accident / specific illness) by providing medical certificate 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.