



ANNA UNIVERSITY : : CHENNAI – 600 025

THE MINUTES OF THE 19TH ACADEMIC COUNCIL

**MINUTES OF THE NINETEENTH MEETING OF THE ACADEMIC COUNCIL
HELD ON 03.12.2014 AT 10.30 A.M. IN THE ACADEMIC COUNCIL HALL OF
ANNA UNIVERSITY CHENNAI UNDER THE CHAIRMANSHIP OF
Dr. M. RAJARAM, VICE-CHANCELLOR, ANNA UNIVERSITY CHENNAI.**

The following members were present:

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| 1 | Dr. M. Rajaram | Vice Chancellor, Anna University, Chennai -25. |
| 2 | Dr. K. Ilamparuthi | Chairman, Faculty of Civil Engineering, AU, Chennai – 25. |
| 3 | Dr. L. Karunamoorthy | Chairman, Faculty of Mechanical Engineering, AU, Ch – 25. |
| 4 | Dr. B. Umamaheswari | Chairperson, Faculty of Electrical Engineering, AU, Ch – 25. |
| 5 | Dr. V. Vaidehi | Chairperson, Faculty of I & C, AU, Chennai – 44. |
| 6 | Dr. M. Madhusoothanan | Chairman, Faculty of Technology, AU, Chennai – 25. |
| 7 | Dr. Monsingh D Devadas | Chairman, Faculty of Architecture & Planning, AU, Ch – 25. |
| 8 | Dr. K. Shanthy | Chairperson, Faculty of S & H, AU, Ch – 25. |
| 9 | Dr. G. Rajendran | Chairman, Faculty of Management Sciences, AU, Ch-25 |
| 10 | Dr. Arularasu | The Principal, Thanthai Periyar Govt.Inst.of Tech, Bagayam,
Vellore – 632 002 |
| 11 | Dr. N. Devarajan | The Principal & Professor, EEE, Govt College of Tech,
Thadagam Road, Coimbatore. |
| 12 | Dr. M. Chandrasekaran | The Principal (i/c), Govt. College of Engg, Govt. Polytechnic Coll
Campus, Baisuhalli Post, Dharmapuri - 635 205. |
| 13 | Dr. Esther Annlin Kala James | The Principal, Government College of Engg, Bharathidasan
Institute of Technology Campus, Thiruchirapalli - 620 024. |
| 14 | Dr. D. Shalini Punithavathani | The Principal, Government College of Engineering,
Kanyakumari Road, Perumalpuram, Tirunelveli – 627 007. |
| 15 | Dr. S. Palaniswami | The Principal, Government College of Engineering, Kalapandian
Polytechnic College Campus, Sillamarathupatti,
Bodiyanyakanur, Theni District. |
| 16 | Dr. A. Mala | The Principal, Alagappa Chettiar College of Engineering and
Technology, Karaikudi – 630 004. |
| 17 | Dr. R. Rudramoorthy | The Principal, PSG College of Technology, Avinashi Road,
Peelamedu, Coimbatore - 641 004. |
| 18 | Dr. V. Selladurai | The Principal, Coimbatore Institute of Technology, Civil
Aerodrome Post, Coimbatore – 641 014. |
| 19 | Dr. R. Senthil | Professor, Department of Civil Engineering, AU, Ch – 600 025 |
| 20 | Dr. Usa | Professor, Department of Electrical & Electronics Engg, AU,
Chennai– 25 |

21	Dr. S. Muttan	Dean, Anna University Regional Centre, BIT Campus, Trichy.
22	Dr. Arul Siromony	Professor, Department of Computer Science and Engineering, Anna University, Chennai – 600 025.
23	Dr. M. Alagar	Professor, Dept of Chemical Engineering, AU, Ch - 25.
24	Dr. Bhoopathy Bagan	Professor, Department of Electronics Engineering, MIT Campus, Anna University, Chennai – 600 044.
25	Dr. M. Venkatesan	Professor, Department of Mathematics, AU, Chennai – 25.
26	Dr. N. Nagarajan	The Principal, Coimbatore Institute of Engineering and Technology, Narasipuram Post, Coimbatore - 641 109
27	Dr. S. Ramakrishnan	The Principal, Sakthi Mariamman Engineering College, 55, Narayanasamy Nagar, Thandalam, Chennai - 602 105.
28	Dr. Elwin Chandra Monie	The Principal, R M K Engineering College, Kavarepettai, Gummidipoondi - 601 206.
29	Dr. R. Asokan	The Principal, Mahendra College of Engineering, Attur Road, Minnampalli, Salem - 636 106.
30	Dr. C. Sundar Raj	The Principal, A V C College of Engineering, Mannampandal Post, Mayiladuthurai, Nagapattinam Dist. - 609 305
31	Dr. P. Marimuthu	The Principal, Syed Ammal Engineering College, Achuthan Vayal Post, Ramanathapuram 623 502.
32	Dr. G. Mohan kumar	The Principal, Park College of Engineering and Technology, Kaniyur, Coimbatore - 641 659
33	Dr. K.S. Saji	The Principal, Vins Christian women's College of Engineering, Vins Nagar Chunkankadi Post, Nagercoil - 629 807, Kanyakumari Dist.
34	Dr. D. Srinivasan	The Principal, K. Ramakrishnan College of Engineering, Samayapuram, Kaniyamanickkam Road, Mannachanallur, Tiruchirapalli - 621 112
35	Prof. R. Parthiban	The Principal, Sri Venkateswara College of Engineering, Post Bag No.3, Chennai-Bangalore Highway, Pennalur Village and Post, Sriperumbudur - 602 105.
36	Dr. K. Ganesh Babu	The Principal, Scad College of Engineering and Technology, Thirunelveli-Shencottai Road, Scad Nagar, Cheranmahadevi, Thirunelveli - 627 414
37	Dr. S. Arul	The Principal, JNN Institute of Engineering, Ushaa Garden, 90, Kannigaipair Village, Uthukottai Taluk, Thiruvallur - 601 102.
38	Dr. P. Narayanasamy	Professor, Department of Information Science and Technology, CEG Campus, Anna University, Chennai - 600 025.
39	Dr. K. Nagamani	Professor, Department of Civil Engineering, AU, Ch - 25.
40	Thiru. V. Varadharajan Joint Managing Director	Managing Director (i/c) / Chairman Metropolitan Transport Corporation [Chennai] Ltd "Pallavan House", Anna Salai, Chennai – 600 002.
41	Ms. Hema Gopal	Vice- President, TCS, IT Cathedral Road Chennai – 086.
42	Dr. S. Chithra	The Chief Urban Planner, Chennai Metropolitan Development Authority (CMDA), No.1, Gandhi Irwin Road, Egmore, Ch – 8.
43	Dr. S. Sakthivel	The General Manager (F&R), Tamilnadu Industrial Investment Corporation Ltd., 692, Anna Salai, Nandanam, Chennai - 35
44	Dr. P. Subramaniam	Dean (Administration), Centre for Education, Central Electrochemical Research Institute, Karaikudi – 630 006.
45	Dr. N.R. Alamelu	The Chairman, Institute of Electrical and Electronics Engineering (IEEE) Madras Section Room No. 3, ISTE Professional Centre, Opposite to Anna Centenary Library, Gandhi Mandapam Road, Chennai - 600 025.
46	Thiru. K. E. Raghunathan	All India Manufacturing Organisation, Round Table House, 2nd Floor, 80/69, N.H.Road, Chennai - 600 034.
47	Dr. V. Ramakrishnan	Small industries Service Institute (SISI), No.65/1, GST Road, Guindy, Chennai - 25.

48	Mr. S. Thennarasu	Director, Saranya Spinning Mills Pvt. Ltd, 10/43, Thuraiyur Main Road, Ponneri (Po), Namakkal – 637 013.
49	Dr. B. Ramadoss	Professor, Department of Computer Applications, National Institute of Technology, Tiruchirappalli.
50	Dr. R.S.D. WahidaBanu	The Principal, Govt. College of Engg., Salem – 11.
51	Dr. N. Rajendran	The Director, University Library, Anna University, Ch – 25.
52	Dr. V. Abhai Kumar	The Principal, Thiagarajar College of Engineering, Madurai – 625 015.
53	Dr. N. Mathan Karthick	The Chairman, ISTE Tamilnadu and Pondicherry Section, Excel Engg. College Campus, Namakkal District – 637 303.
54	Mr. A. Ayyakkannu	The Director, Board of Apprenticeship Training, CIT Campus, Taramani, Chennai – 600 113.
55	Dr. S. Shanmugavel	The Principal, National Engineering College, Tuticorin – 628 503.
56	Dr. S. Ganesan	The Registrar (Secretary), Anna University, Chennai – 25.

Special Invitees

1. The Dean
College of Engineering, Guindy Campus,
Anna University, Chennai - 600 025.
2. The Dean
School of Architecture and Planning
Anna University, Chennai – 600 025.
3. The Dean
A C Technology Campus,
Anna University, Chennai - 600 025.
4. The Dean
Madras Institute of Technology Campus,
Anna University, Chromepet, Chennai - 600 044.
5. The Additional Controller of Examinations
Anna University, Chennai - 600 025.
6. The Deputy Controller of Examinations
Anna University, Chennai – 600 025.
7. The Director
Centre for Research, Anna University, Chennai – 600 025.
8. The Director
Centre for Distance Education, Anna University, Chennai – 600 025.

The meeting began with the Registrar and Secretary, Academic Council, Anna University, Chennai, delivering the welcome address and calling the meeting to order. He outlined briefly the various agenda items to be presented at the meeting. After the formal welcome, he requested the Vice-Chancellor to deliver the Special Address and Chair the meeting.

The Vice-Chancellor while addressing the Council, highlighted the the salient items including the Curricula and Syllabi for the various new programmes that are to be taken up in the Academic Council Meeting. He also stressed the importance of providing quality education to the student community. He sought the cooperation and valuable guidance from the respective members to achieve the goals of the University.

Following the address by the Vice-Chancellor, the Director, Academic Courses moved the following agenda items on behalf of the Vice-Chancellor.

Action Taken on items of 18th Academic Council

VC 19.01 A MEMBER OF ACADEMIC COUNCIL SUGGESTED THAT ENGINEERING GRAPHICS NOW OFFERED FOR ALL BRANCHES IN SEMESTER I BE OFFERED FOR CIRCUIT BRANCHES IN SEMESTER I AND NON-CIRCUIT BRANCHES IN SEMESTER II. IN THE ACADEMIC COUNCIL MEETING, IT WAS RESOLVED TO PUT UP THIS MATTER TO MEMBERS OF BOARD OF STUDIES OF FACULTY OF CIVIL ENGINEERING FOR FURTHER DISCUSSION.

RESOLVED TO NOTE that this item may be considered during the next major Curriculum and Syllabus revision as decided at the 20th Board of Studies of the Faculty of Civil Engineering.

VC 19.02 THE MEMBERS DURING 18TH ACADEMIC COUNCIL MEETING SUGGESTED THAT THE THEORY AND THE CORRESPONDING LAB COURSE MAY BE OFFERED IN THE SAME SEMESTER INSTEAD OF CONSECUTIVE SEMESTERS. SINCE, THERE WAS DIVIDED OPINION AMONG THE MEMBERS, IT WAS RESOLVED TO DISCUSS THE MATTER AT THE BOARD OF STUDIES.

- It was decided at the 20th Board of Studies of **Faculty of Civil Engineering** that the status quo may be maintained.
- It was decided at the 20th Board of Studies of **Faculty of Electrical Engineering** that theory and laboratory can be offered either concurrently or in the consecutive semesters depending on the need of the course.

RESOLVED TO NOTE the decisions made at the respective Board of Studies.

VC 19.03 THE MEMBERS OF ACADEMIC COUNCIL SUGGESTED THAT ELECTIVE LIST OF THE M.E. ENGINEERING DESIGN DEGREE PROGRAMME OFFERED IN AFFILIATED INSTITUTIONS UNDER R-2013 CAN BE MODIFIED SUCH THAT THE NUMBER OF CHOICES FOR ONE ELECTIVE IS 3, FOR TWO ELECTIVES IS 5 AND FOR THREE ELECTIVES IS 7.

The modification was carried as suggested in the Academic council.

RESOLVED TO RATIFY the elective list of the M.E. Engineering Design degree programme offered in Affiliated Institutions under R-2013, such that the number of choices for one elective is 3, for two electives is 5 and for three electives is 7.

[M.E. Engineering Design - Revised Elective List](#)

VC 19.04 MEMBERS OF ACADEMIC COUNCIL FROM THE INDUSTRY ENQUIRED WHETHER GREEN CERTIFICATION WAS PART OF THE PROGRAMME M.E. MANUFACTURING ENGINEERING (WITH SPECIALIZATION IN GREEN MANUFACTURING ENGINEERING).

RESOLVED TO NOTE that the decision made at the 20th Board of Studies of Faculty of Mechanical Engineering to explore the possibility of adding more electives relevant to Standards and Green Certification. It was also resolved to approach the relevant certification authorities, like Ministry of Environmental & Forest for certification and for suggestion regarding adding more electives.

VC 19.05 MEMBERS OF ACADEMIC COUNCIL ENQUIRED WHETHER THE CURRICULA & SYLLABI OF M.E. INDUSTRIAL SAFETY ENGINEERING CAN FACILITATE OBTAINING CERTIFICATION AS SAFETY INSPECTORS. THE CHAIRMAN AGREED TO EXPLORE THE POSSIBILITY. IT WAS RESOLVED TO EXPLORE THE POSSIBILITY OF ADDING MORE ELECTIVE RELEVANT TO SAFETY STANDARDS.

RESOLVED TO NOTE that the decision made at the 20th Board of Studies of Faculty of Mechanical Engineering to approach governmental departments like Ministries of Industries / Labour for finding the feasibility of approving these programmes and for enabling the students to become Safety Inspectors.

It was also resolved that M. Tech. Industrial Safety and Hazardous Management programme offered under Faculty of Technology may also be considered for certification.

VC 19.06 AN ACADEMIC COUNCIL MEMBER SUGGESTED THAT THE SYLLABI FOR THE TECHNICAL ENGLISH-I & TECHNICAL ENGLISH – II, COMMON COURSES OF THE B.E. / B. TECH. PROGRAMMES OF ALL BRANCHES OFFERED IN THE AFFILIATED INSTITUTIONS, MAY INCLUDE THE READING OF CURRENT NEWSPAPER FOR DEVELOPING READING SKILLS AND EVALUATION SHOULD BE DONE ACCORDINGLY.

RESOLVED TO NOTE that the decision made at the 20th Board of Studies of Faculty of Science and Humanities regarding the above changes would be considered during the next major Curriculum and Syllabus revision.

VC 19.07 THE MEMBERS OF ACADEMIC COUNCIL SUGGESTED THAT THE ELECTIVES OFFERED IN M.B.A. PROGRAMME OF THE UNIVERSITY DEPARTMENTS MAY BE OFFERED IN AFFILIATED COLLEGES ALSO. MOREOVER, THE MEMBERS SUGGESTED THAT ADDITIONAL ON- DEMAND ELECTIVES CAN ALSO BE INCLUDED.

RESOLVED TO NOTE the decision made at the 20th Board of Studies of Faculty of Management Sciences that the issue would be considered during the next major Curriculum and Syllabus revision.

Action Taken on Items suggested at the previous Standing Committee Meeting held in connection with 18th Academic Council Meeting

VC 19.08 One of the members felt that for core courses of UG Programmes offered to the Affiliated Colleges, a 2 hour lecture giving an overview explaining the need, important concepts and applications could be recorded and made available in the university website. The Chairman of the Standing Committee agreed that this would be carried out with the help of the Centre for Faculty Development.

RESOLVED TO NOTE that each of the Chairman of the Faculties of Civil, Mechanical, Electrical, Information and Communication Engg. and Technology identified 10-15 Core courses along with experienced faculty to deliver 2 hour lectures for the major under graduate programmes. It was also resolved to note that the Centre for Faculty Development would be entrusted with the job of creating the content.

VC 19.09 One of the members expressed the view that Anna University should play a proactive role in increasing the quality of education in the affiliated colleges. For this purpose the need for examination reforms was proposed and Chairman agreed that a committee could be constituted to review the examination system.

The members of the Standing Committee of 19th Academic Council suggested that pattern of the question paper needs to be reviewed from the perspective of outcome based education and Bloom's taxonomy. This would enable the University to qualify for Washington Accord. It was felt that Faculty members needed to be trained towards outcome based education. In this context, the members also suggested the need for reforms in school education and examination system. The change in Question paper pattern can be brought about in a phased manner to enable the teachers and students to adapt to the same.

Further, during discussion at the Syndicate Meeting, it was suggested that a Core Committee could be constituted to look into examination reforms.

RESOLVED TO NOTE that an Examination Reforms Committee has been constituted by the Vice-Chancellor with members from the Syndicate as well as Controller of Examinations, Director of Academic Courses and other senior Faculty members. Members of all the Board of Studies and Academic Council were requested to e-mail any suggestions regarding the Examination system.

VC 19.10 One of the members expressed the view that Anna University should conduct workshops to train faculty members in outcome based teaching and learning process.

RESOLVED TO NOTE that a preliminary discussion about components of Training-the-Trainer Programmes for Outcome Based Education was discussed at a Faculty Chairmen Meeting. During various Board of Studies Meetings there were suggestions that a committee with experts in the field may be formed for the above purpose.

Other Items Moved by the Vice-Chancellor

VC 19.11 TO CONSIDER AND RATIFY THE EQUIVALENCE GRANTED BY THE EQUIVALENCE COMMITTEE FOR THE DEGREES AWARDED BY OTHER INDIAN UNIVERSITIES AND FOREIGN UNIVERSITIES AS ELIGIBLE QUALIFICATION FOR ADMISSION TO VARIOUS PG / M.S. / Ph.D. PROGRAMMES OF ANNA UNIVERSITY, CHENNAI.

RESOLVED TO RATIFY the equivalence granted by the Equivalence Committee for the degrees awarded by other Indian Universities and Foreign Universities as eligible qualification for admission to various PG / M.S. / Ph.D. programmes of Anna University, Chennai.

EQUIVALENCY GRANTED

VC19.12(A) TO CONSIDER AND RATIFY THE FOLLOWING NOTIFICATIONS GRANTING PERMISSION TO THE STUDENTS OF UNIVERSITY DEPARTMENTS / AFFILIATED INSTITUTIONS / AUTONOMOUS INSTITUTIONS WHO HAVE EXHAUSTED THE MAXIMUM PERIOD OF STUDY TO COMPLETE THE DEGREE PROGRAMME TO WRITE THE ARREAR EXAM.

RESOLVED TO RATIFY the following notifications granting permission to the students of University Departments / Affiliated Institutions / Autonomous Institutions who have exhausted the maximum period of study to complete the degree programme, to write the arrear exam.

Notification

One of the members of 19th Academic Council suggested that in general students who have exhausted the maximum period of study, as prescribed in the Regulations, to complete the degree programme may not be permitted to write arrears. However, he suggested that as a Special case, the student may be permitted to write arrears for a particular course when he/she has made less than 5 attempts for that particular course.

VC19.12(B) TO CONSIDER AND RATIFY THE FOLLOWING APPROVALS GRANTING PERMISSION TO THE STUDENTS OF MBA PROGRAMME OF DISTANCE MODE WHO HAVE EXHAUSTED THE MAXIMUM PERIOD OF STUDY TO COMPLETE THE DEGREE PROGRAMME TO WRITE THE REGULAR AND ARREAR EXAMINATIONS.

RESOLVED TO RATIFY the following approvals granting permission to the students of MBA programme of Distance mode who have exhausted the maximum period of study to complete the degree programme, to write the regular and arrear examinations.

ANNEXURE – AI

VC19.12(C) TO CONSIDER AND RATIFY THE FOLLOWING APPROVAL GRANTING PERMISSION TO INCREASE THE MAXIMUM PERIOD OF STUDY FOR STUDENTS OF MBA / MCA / M.Sc. (DISTANCE MODE) OF THE ERSTWHILE AUTCBE ON PAR WITH THE MAXIMUM PERIOD OF STUDY PRESCRIBED IN RESPECT OF STUDENTS (DISTANCE MODE) OF ANNA UNIVERSITY.

RESOLVED TO RATIFY the following approval granting permission to increase the maximum period of study for the students of MBA / MCA / M.Sc. (Distance mode) of the erstwhile AUTCBE on par with the maximum period of study prescribed in respect of students (Distance mode) of Anna University.

ANNEXURE – AII

VC 19.13 TO CONSIDER AND RATIFY THE PERMISSION GIVEN TO STUDENTS EXCHANGE PROGRAMME OF ANNA UNIVERSITY DEPARTMENTS TO UNDERGO VARIOUS SEMESTERS OF STUDY AT UNIVERSITIES ABROAD UNDER VARIOUS AGREEMENTS.

RESOLVED TO RATIFY the permission given to Students Exchange Programme of Anna University departments to undergo various semesters of study at Universities abroad under various agreements.

One of the members enquired whether the same facility could be extended to Affiliated Institutions also. The Director, Academic Courses, explained that a frame work would be evolved for introducing such exchange programmes to the students of Affiliated Engineering Colleges.

ANNEXURE – AIII

**Salient Amendments to the Regulations and Introduction of
Common Elective**

VC 19.14 TO CONSIDER AND APPROVE THE AMENDMENTS IN THE REGULATIONS OF B.E. / B.TECH. DEGREE PROGRAMMES OFFERED IN UNIVERSITY DEPARTMENTS UNDER REGULATIONS 2012 FOR INTRODUCTION OF ONE CREDIT COURSES.

RESOLVED TO APPROVE the amendments in the regulations of B.E. / B. Tech. degree programmes offered in University departments under Regulations 2012 for introduction of one credit courses.

ANNEXURE - AIV

It is also resolved to note the guidelines outlined for the offer of one credit courses.

Guidelines for one credit course

VC 19.15 TO INFORM THAT THE STANDING COMMITTEE DISCUSSED THE AMENDMENTS TO BE MADE IN THE REGULATIONS OF M.E. / M.TECH. DEGREE PROGRAMMES OFFERED IN UNIVERSITY DEPARTMENTS UNDER REGULATIONS 2013 FOR INTRODUCTION OF ONE CREDIT COURSES. IT SUGGESTED TO DEFERRE INTRODUCTION OF ONE CREDIT COURSE IN THE CURRENT REGULATIONS (R2013), AS FIRST BATCH OF STUDENTS OF THIS REGULATIONS ARE IN FINAL SEMESTER.

RESOLVED TO APPROVE deferring of introduction of one credit courses to M.E. / M.Tech. degree programmes for the current Regulations.

VC 19.16 TO CONSIDER AND APPROVE THE AMENDMENTS TO THE B.ARCH. DEGREE PROGRAMME OFFERED IN UNIVERSITY DEPARTMENTS UNDER REGULATIONS 2012 FOR INTRODUCTION OF ONE CREDIT COURSES.

RESOLVED TO APPROVE the amendments to the B.Arch. degree programme offered in University Departments under Regulations 2012 for introduction of one credit courses.

[ANNEXURE - AV](#)

It is also resolved to note the guidelines outlined for the offer of one credit courses.

[Guidelines for one credit course](#)

VC19.17 TO INFORM THAT THE STANDING COMMITTEE DISCUSSED AMENDMENTS TO BE MADE IN THE M.ARCH. DEGREE PROGRAMME OFFERED IN UNIVERSITY DEPARTMENTS UNDER REGULATIONS 2013 FOR INTRODUCTION OF ONE CREDIT COURSES. IT SUGGESTED TO DEFERRE INTRODUCTION OF ONE CREDIT COURSE IN THE CURRENT REGULATIONS (R2013), AS FIRST BATCH OF STUDENTS OF THIS REGULATIONS ARE IN FINAL SEMESTER.

RESOLVED TO APPROVE deferring of introduction of one credit courses to M. Arch. degree programmes for the current Regulations.

VC 19.18 TO CONSIDER AND APPROVE THE AMENDMENT IN THE REGULATIONS OF B.E. / B.TECH. DEGREE PROGRAMMES OFFERED IN UNIVERSITY DEPARTMENTS UNDER REGULATIONS 2012 FOR ADVANCING OF COURSES TO BE STUDIED IN THE VIII SEMESTER TO FACILITATE THE STUDENTS TO CARRY OUT THEIR FINAL SEMESTER PROJECT WORK FOR SIX MONTHS IN INDUSTRY/RESEARCH ORGANIZATIONS.

RESOLVED TO APPROVE the amendment in the regulations of B.E. / B.Tech. degree programmes offered in University Departments under Regulations 2012 for advancing of courses to be studied in the VIII semester to facilitate the students to carry out their final semester project work for six months in industry/research organizations.

ANNEXURE - AVI

VC 19.19 TO CONSIDER AND APPROVE THE INTRODUCTION OF AN ELECTIVE COURSE ON DISASTER MANAGEMENT APPROVED BY THE BOARD OF STUDIES OF FACULTY OF CIVIL ENGINEERING TO ALL UNDERGRADUATE PROGRAMMES OF BOTH UNIVERSITY DEPARTMENTS AND AFFILIATED COLLEGES AS PER THE DIRECTIONS OF UGC.

RESOLVED TO APPROVE the introduction of an elective course on Disaster Management approved by the Board of Studies of Faculty of Civil Engineering to all Undergraduate programmes of both University Departments and Affiliated Colleges as per the directions of UGC.

Disaster Management

VC 19.20 TO CONSIDER AND RATIFY THE ELIGIBILITY GIVEN FOR TWO YEAR PART TIME PG DEGREE HOLDERS OF ANNA UNIVERSITY OF TECHNOLOGY, COIMBATORE (AUTC), PG DEGREE HOLDERS OF THREE YEAR PG PROGRAMMES OF WEEK END MODULAR BASED CREDIT BANKING SYSTEM OF ANNA UNIVERSITY OF TECHNOLOGY, TRICHY (AUTTY) AND PG DEGREE HOLDERS OF 2 YEAR PART-TIME / WEEK END PROGRAMMES FROM CERTAIN DEEMED UNIVERSITY FOR PH.D. ADMISSION AT ANNA UNIVERSITY, CHENNAI (AUC) ADMITTED ON OR BEFORE 2011.

RESOLVED TO RATIFY the eligibility given for two year Part Time PG degree holders of Anna University of Technology, Coimbatore (AUTC), PG degree holders of three year PG programmes of Week end Modular Based Credit Banking system of Anna University of Technology, Trichy (AUTTY) and PG degree holders of 2 year Part-Time / week end programmes from certain deemed universities for Ph.D. admission at Anna University, Chennai (AUC) admitted on or before 2011.

ANNEXURE - AVII

OTHER ITEMS WITH THE PERMISSION OF THE ACADEMIC COUNCIL

VC 19.21 TO CONSIDER AND APPROVE THE AMENDMENTS TO THE REGULATIONS OF UG / PG PROGRAMMES OFFERED UNDER AFFILIATED INSTITUTIONS CONCERNED WITH ATTENDANCE REQUIREMENTS FOR WRITING THE END SEMESTER EXAMINATIONS.

RESOLVED TO APPROVE the amendments to the regulations of UG / PG programmes offered under both University Departments and Affiliated Institutions concerned with Attendance requirements for writing the end semester examinations. The changes to Regulations are given in the Annexure – AVIII (Amendments – UD & AI).

ANNEXURE – AVIII (Amendments – UD & AI)

ANNEXURE – AVIII

**OTHER POINTS DISCUSSED BY THE STANDING COMMITTEE FOR
CONSIDERATION BY THE ACADEMIC COUNCIL**

VC 19.22 One of the members suggested that students may be allowed to credit courses of approved universities and foreign universities and transfer these credits to count for the degree offered by Anna University.

RESOLVED to take up the issue of the students being allowed to credit courses of approved universities and foreign universities and transfer these credits to count for the degree offered by Anna University during the ensuing Board of Studies.

VC 19.23 One of the members suggested that the system of earning a prescribed minimum number of credits to move to the subsequent semester may be reintroduced.

RESOLVED to consider the reintroduction of the system of earning a prescribed minimum number of credits to move to the subsequent semester during the ensuing Board of Studies.

VC 19.24 One of the members suggested that separate curriculum streams from IV Semester onwards for preparing students separately for (i) industry and (ii) Higher Studies / Research may be evolved.

RESOLVED to discuss offering of separate curriculum streams from IV Semester onwards for preparing students separately for (i) industry and (ii) Higher Studies / Research during the ensuing Board of Studies.

VC 19.25 One of the members suggested that instead of considering overall attendance alone for determining eligibility to write end semester examinations, a minimum percentage of attendance for each course may also be made mandatory.

RESOLVED to discuss the requirement of a mandatory minimum percentage of attendance for each course for determining eligibility to write end semester examinations, during the ensuing Board of Studies.

VC 19.26 One of the members suggested based on the feedback on the employers that contents of the syllabus may be pruned in such way that fundamental concepts are given higher priority, so that there is more depth than breath in subject coverage.

RESOLVED to discuss pruning of contents of the syllabus in such a way that fundamental concepts are given higher priority, so that there is more depth than breath in subject coverage, during the ensuing Board of Studies.

1. BUSINESS BROUGHT FORWARDED BY THE BOARDS OF STUDIES.**AGENDA FROM FACULTY OF CIVIL ENGINEERING**

Dr. K. Ilamparuthi, Chairman, Faculty of Civil Engineering moved the following items based on the decision of the Board of Studies in Civil Engineering.

FC19.01 TO CONSIDER AND APPROVE THE CURRICULA (II to VIII SEMESTERS) & SYLLABI (II to V SEMESTERS) FOR THE NEW B.E. AGRICULTURE ENGINEERING PROGRAMME OFFERED IN AFFILIATED INSTITUTIONS UNDER R-2013 WITH EFFECT FROM THE ACADEMIC YEAR 2014 – 2015 ONWARDS.

The Chairman also outlined the percentage distribution of courses in different fields in the curriculum

Percentage Distribution of courses in different fields

RESOLVED TO APPROVE the curricula (II to VIII semesters) & syllabi (II to V semesters) for the new B.E. agriculture engineering programme offered in affiliated institutions under R-2013 with effect from the academic year 2014 – 2015 onwards.

B.E. Agriculture Engineering

FC19.02 TO CONSIDER AND RATIFY THE ADDITIONAL COURSES TO BE STUDIED BY THE B.SC. GRADUATES ADMITTED TO III SEMESTER B.E. / B.TECH. UNDER THE LATERAL ENTRY SCHEME IN THE FACULTY OF CIVIL ENGINEERING IN THE AFFILIATED INSTITUTIONS.

RESOLVED TO RATIFY the additional courses to be studied by the B.Sc. graduates admitted to III semester B.E. / B.Tech. under the Lateral entry scheme in the Faculty of Civil Engineering in the Affiliated Institutions.

ANNEXURE - CI

FC19.03 TO CONSIDER AND APPROVE THE AMENDMENTS IN THE REGULATIONS OF B.E. / B.TECH. DEGREE PROGRAMMES OFFERED IN UNIVERSITY DEPARTMENTS UNDER REGULATIONS 2012 FOR INTRODUCTION OF ONE CREDIT COURSES.

RESOLVED TO APPROVE the amendments in the regulations of B.E. / B.Tech. degree programmes offered in University Departments under Regulations 2012 for introduction of one credit courses.

ANNEXURE - CII

FC19.04 TO CONSIDER AND APPROVE THE AMENDMENT IN THE REGULATIONS OF B.E. / B.TECH. DEGREE PROGRAMMES OFFERED IN UNIVERSITY DEPARTMENTS UNDER REGULATIONS 2012 FOR ADVANCING OF COURSES TO BE STUDIED IN THE VIII SEMESTER TO FACILITATE THE STUDENTS TO CARRY OUT THEIR FINAL SEMESTER PROJECT WORK FOR SIX MONTHS IN INDUSTRY/RESEARCH ORGANIZATIONS.

RESOLVED TO APPROVE the amendment in the regulations of B.E. / B.Tech. degree programmes offered in University Departments under Regulations 2012 for advancing of courses to be studied in the VIII semester to facilitate the students to carry out their final semester project work for six months in industry/research organizations.

ANNEXURE - CIII

FC19.05 TO CONSIDER AND APPROVE THE INTRODUCTION OF AN OPTIONAL COURSE ON DISASTER MANAGEMENT AT UG / M.SC. (5 YEARS) INTEGRATED PROGRAMMES AS PER THE DIRECTIONS OF UGC.

RESOLVED TO APPROVE the introduction of an optional course on Disaster Management at UG / M.Sc. (5 years) integrated programmes as per the directions of UGC.

Disaster Management

AGENDA FROM FACULTY OF MECHANICAL ENGINEERING

Dr. L. Karunamoorthy, Chairman, Faculty of Mechanical Engineering moved the following items based on the decision of the Board of Studies in Mechanical Engineering.

FM19.01 TO CONSIDER AND RATIFY THE NEW CURRICULUM AND SYLLABI OF I - IV SEMESTERS FOR THE PG DEGREE PROGRAMME OFFERED IN AFFILIATED INSTITUTIONS UNDER R-2013 WITH EFFECT FROM THE ACADEMIC YEAR 2014 – 2015 ONWARDS.

RESOLVED TO RATIFY the new curriculum and syllabi of I - IV semesters for the PG degree programme offered in affiliated institutions under R-2013 with effect from the academic year 2014 – 2015 onwards.

M.E. Automobile Engineering

After discussion at the Academic Council, it was resolved to retain the same syllabus and title for the course “Advanced Numerical Methods”.

FM19.02 TO CONSIDER AND RATIFY INCLUSION OF A COURSE "ENVIRONMENTAL SCIENCE AND ENGINEERING" IN THE B.E. INDUSTRIAL ENGINEERING AND B.E. INDUSTRIAL ENGINEERING AND MANAGEMENT UNDER REGULATIONS 2013 OF AFFILIATED INSTITUTIONS, ANNA UNIVERSITY, CHENNAI.

RESOLVED TO RATIFY inclusion of a course "Environmental Science and Engineering" in the B.E. Industrial Engineering and B.E. Industrial Engineering and Management under Regulations 2013 of Affiliated Institutions, Anna University, Chennai.

B. E. Industrial Engineering

B. E. Industrial Engineering and Management

FM19.03 TO CONSIDER AND APPROVE THE INCLUSION OF A COURSE "HYDRAULICS AND PNEUMATICS" AS AN ELECTIVE IN THE B.E MECHANICAL ENGINEERING UNDER REGULATIONS 2013 OF AFFILIATED INSTITUTIONS, ANNA UNIVERSITY, CHENNAI.

RESOLVED TO APPROVE the inclusion of a course "Hydraulics and Pneumatics" as an elective in the B.E Mechanical Engineering under Regulations 2013 of Affiliated Institutions, Anna University, Chennai.

MF6504 HYDRAULICS AND PNEUMATICS

FM19.04 TO CONSIDER AND RATIFY THE ADDITIONAL COURSES TO BE STUDIED UNDER THE LATERAL ENTRY SCHEME BY THE B.SC. GRADUATES ADMITTED TO III SEMESTER B.E. / B.TECH. IN FACULTY OF MECHANICAL ENGINEERING IN THE AFFILIATED INSTITUTIONS.

RESOLVED TO RATIFY the additional courses to be studied under the Lateral entry scheme by the B.Sc. graduates admitted to III semester B.E. / B.Tech. in Faculty of Mechanical Engineering in the Affiliated Institutions.

Annexure - MI

FM19.05 TO CONSIDER AND APPROVE THE AMENDMENTS IN REGULATIONS OF B.E. / B.TECH. DEGREE PROGRAMMES OFFERED IN UNIVERSITY DEPARTMENTS UNDER REGULATIONS 2012 FOR ADVANCING OF COURSES TO BE STUDIED IN THE VIII SEMESTER TO FACILITATE THE STUDENTS TO CARRY OUT THEIR FINAL SEMESTER PROJECT WORK FOR SIX MONTHS IN INDUSTRY/RESEARCH ORGANIZATIONS.

RESOLVED TO APPROVE the amendments in Regulations of B.E. / B.Tech. degree programmes offered in University Departments under Regulations 2012 for advancing of courses to be studied in the VIII semester to facilitate the students to carry out their final semester project work for six months in industry/research organizations.

Annexure - MII

FM19.06 TO CONSIDER AND APPROVE THE AMENDMENTS IN THE REGULATIONS OF B.E. / B.TECH. DEGREE PROGRAMMES OFFERED IN UNIVERSITY DEPARTMENTS UNDER REGULATIONS 2012 FOR INTRODUCTION OF ONE CREDIT COURSES.

RESOLVED TO APPROVE the amendments in the Regulations of B.E. / B.Tech. degree programmes offered in University Departments under Regulations 2012 for introduction of one credit courses.

Annexure - MIII

FM19.07 TO CONSIDER AND APPROVE THE INCLUSION OF TWO COURSES "3D PRINTING ", AND " DIGITAL MEDIA MANAGEMENT" AS AN ELECTIVE IN THE B.E. PRINTING TECHNOLOGY UNDER REGULATIONS 2012 OF UNIVERSITY DEPARTMENTS, ANNA UNIVERSITY, CHENNAI.

RESOLVED TO APPROVE the inclusion of two courses "3D Printing ", and " Digital Media Management" as Electives in the B.E. Printing Technology under Regulations 2012 of University Departments, Anna University, Chennai.

1. [3D PRINTING](#)
2. [DIGITAL MEDIA MANAGEMENT](#)

AGENDA FROM FACULTY OF ELECTRICAL ENGINEERING

Dr. B. Umamaheswari, Chairperson, Faculty of Electrical Engineering moved the following items based on the decision of the Board of Studies in Electrical Engineering.

FE19.01 TO CONSIDER AND RATIFY THE ADDITIONAL COURSES TO BE STUDIED UNDER THE LATERAL ENTRY SCHEME BY THE B.SC. GRADUATES ADMITTED TO III SEMESTER B.E. / B.TECH. IN ELECTRICAL AND ELECTRONICS ENGINEERING, ELECTRONICS AND INSTRUMENTATION ENGINEERING AND INSTRUMENTATION AND CONTROL ENGINEERING, UNDER THE FACULTY OF ELECTRICAL ENGINEERING IN THE AFFILIATED INSTITUTIONS.

RESOLVED TO RATIFY the additional courses to be studied under the Lateral entry scheme by the B.Sc. graduates admitted to III semester B.E. / B.Tech. in Electrical and Electronics Engineering, Electronics and Instrumentation Engineering and Instrumentation and Control Engineering, under the Faculty of Electrical Engineering in the Affiliated Institutions.

ANNEXURE - EI

FE19.02 TO CONSIDER AND APPROVE THE AMENDMENTS IN THE REGULATIONS OF B.E. / B.TECH. DEGREE PROGRAMMES OFFERED IN UNIVERSITY DEPARTMENTS UNDER REGULATIONS 2012 FOR INTRODUCTION OF ONE CREDIT COURSES.

RESOLVED TO APPROVE the amendments in the regulations of B.E. / B.Tech. degree programmes offered in University Departments under Regulations 2012 for introduction of one credit courses.

ANNEXURE - EII

FE19.03 TO CONSIDER AND APPROVE THE AMENDMENT IN THE REGULATIONS OF B.E. / B.TECH. DEGREE PROGRAMMES OFFERED IN UNIVERSITY DEPARTMENTS UNDER REGULATIONS 2012 FOR ADVANCING OF COURSES TO BE STUDIED IN THE VIII SEMESTER TO FACILITATE THE STUDENTS TO CARRY OUT THEIR FINAL SEMESTER PROJECT WORK FOR SIX MONTHS IN INDUSTRY/RESEARCH ORGANIZATIONS.

RESOLVED TO APPROVE the amendment in the Regulations of B.E. / B.Tech. degree programmes offered in University Departments under Regulations 2012 for advancing of courses to be studied in the VIII semester to facilitate the students to carry out their final semester project work for six months in industry/research organizations.

ANNEXURE - EIII

FE19.04 TO INFORM THE FOLLOWING DECISION MADE AT THE 20TH BOARD OF STUDIES OF FACULTY OF ELECTRICAL ENGINEERING: TO FACILITATE STUDENTS TO GAIN EXPERTISE IN DESIGN, IT IS NECESSARY TO PREPARE AND INTRODUCE DESIGN BOOKS. TO WRITE DESIGN BOOKS, THE COURSES ARE IDENTIFIED IN MAJOR AREAS OF ELECTRICAL ENGINEERING AND INSTRUMENTATION STREAMS. THIS MAY BE INCLUDED IN THE R-2016 REVISION OF CURRICULUM.

RESOLVED TO APPROVE the decision made at the 20th Board of Studies of Faculty of Electrical Engineering to prepare and introduce Design books to be included in the next major revision of curriculum.

**AGENDA FROM FACULTY OF INFORMATION AND COMMUNICATION
ENGINEERING**

Dr. V. Vaidehi, Chairperson, Faculty of Information and Communication Engineering moved the following items based on the decision of the Board of Studies in Information and Communication Engineering.

FI19.01 TO CONSIDER AND APPROVE THE ADDITION OF AN ELECTIVE "FOUNDATION SKILLS IN INTEGRATED PRODUCT DEVELOPMENT" (FSIPD) IN THE UG PROGRAMMES OF UNIVERSITY DEPARTMENTS AND AFFILIATED INSTITUTIONS OF ANNA UNIVERSITY.

RESOLVED TO APPROVE the addition of an elective "Foundation Skills in Integrated Product Development" (FSIPD) in the UG programmes of University Departments and Affiliated Institutions of Anna University.

["Foundation Skills in Integrated Product Development"\(FSIPD\)](#)

FI19.02 TO CONSIDER AND RATIFY INCLUSION OF A COURSE "ENVIRONMENTAL SCIENCE AND ENGINEERING" IN THE B.E. MEDICAL ELECTRONICS UNDER REGULATIONS 2013 OF AFFILIATED INSTITUTIONS, ANNA UNIVERSITY, CHENNAI.

RESOLVED TO RATIFY inclusion of a course, "Environmental Science and Engineering" in the B.E. Medical Electronics under Regulations 2013 of Affiliated Institutions, Anna University, Chennai.

[B. E. Medical Electronics](#)

FI19.03 TO CONSIDER AND RATIFY “IF8252 CLOUD COMPUTING TECHNOLOGIES (M.TECH. INFORMATION TECHNOLOGY)” AS COMMON SUBJECT TO M.E. COMPUTER SCIENCE AND ENGINEERING, M.E. SOFTWARE ENGINEERING AND M.TECH. INFORMATION TECHNOLOGY UNDER REGULATIONS 2013 OF UNIVERSITY DEPARTMENTS, ANNA UNIVERSITY, CHENNAI.

RESOLVED TO RATIFY “IF8252 Cloud Computing Technologies (M.Tech. Information Technology)” as a common subject to M.E. Computer Science and Engineering, M.E. Software Engineering and M.Tech. Information Technology under Regulations 2013 of University Departments, Anna University, Chennai.

IF8252 CLOUD COMPUTING TECHNOLOGIES

FI19.04 TO CONSIDER AND RATIFY THE PERMISSION GRANTED FOR THE SPECIAL ELECTIVE COURSES FOR Ph.D. / M.S. (BY RESEARCH) PROGRAMMES OFFERED UNDER THE FACULTY OF INFORMATION AND COMMUNICATION ENGINEERING, in THE UNIVERSITY DEPARTMENTS.

RESOLVED TO RATIFY the permission granted for the Special Elective courses for Ph.D. / M.S. (By Research) programmes offered under the Faculty of Information and Communication Engineering, in the University Departments.

1. **FI 9090 SEMANTIC COMPUTING**
2. **FI 9091 SECURITY ANALYTICS**
3. **FI 9092 INTEGRATION OF RFID AND WIRELESS SENSOR NETWORKS**

FI19.05 TO CONSIDER AND RATIFY THE PERMISSION GRANTED FOR THE SPECIAL ELECTIVE COURSES FOR Ph.D. / M.S. (BY RESEARCH) PROGRAMMES OFFERED UNDER THE FACULTY OF INFORMATION AND COMMUNICATION ENGINEERING, IN THE AFFILIATED INSTITUTIONS.

RESOLVED TO RATIFY the permission granted for the Special Elective courses for Ph.D. / M.S. (By Research) programmes offered under the Faculty of Information and Communication Engineering, in the Affiliated Institutions.

SIC003 SECURITY ISSUES IN COGNITIVE RADIO NETWORKS

FI19.06 TO CONSIDER AND RATIFY THE ADDITIONAL COURSES TO BE STUDIED BY THE B.SC. GRADUATES ADMITTED TO III SEMESTER B.E. / B.TECH. UNDER THE LATERAL ENTRY SCHEME UNDER THE FACULTY OF INFORMATION AND COMMUNICATION ENGINEERING.

RESOLVED TO RATIFY the additional courses to be studied by the B.Sc. graduates admitted to III semester B.E. / B.Tech. under the Lateral entry scheme under the Faculty of Information and Communication Engineering.

ANNEXURE - ICI

FI19.07 TO CONSIDER AND APPROVE THE AMENDMENTS TO THE B.E. / B.TECH. DEGREE PROGRAMMES OFFERED IN UNIVERSITY DEPARTMENTS UNDER REGULATIONS 2012 FOR INTRODUCTION OF ONE CREDIT COURSES.

RESOLVED TO APPROVE the amendments to the B.E. / B.Tech. degree programmes offered in University Departments under Regulations 2012 for introduction of one credit courses.

ANNEXURE - ICII

FI19.08 TO CONSIDER AND APPROVE THE AMENDMENT TO THE B.E. / B.TECH. DEGREE PROGRAMMES OFFERED IN UNIVERSITY DEPARTMENTS UNDER REGULATIONS 2012 FOR ADVANCING OF COURSES TO BE STUDIED IN THE VIII SEMESTER TO FACILITATE THE STUDENTS TO CARRY OUT THEIR FINAL SEMESTER PROJECT WORK FOR SIX MONTHS IN INDUSTRY/RESEARCH ORGANIZATIONS.

RESOLVED TO APPROVE the amendment to the B.E. / B.Tech. degree programmes offered in University Departments under Regulations 2012 for advancing of courses to be studied in the VIII semester to facilitate the students to carry out their final semester project work for six months in industry/research organizations.

ANNEXURE - ICIII

AGENDA FROM FACULTY OF TECHNOLOGY

Dr. M. Madhusoothanan, Chairman, Faculty of Technology moved the following items based on the decision of the Board of Studies in Technology.

FT19.01 TO CONSIDER AND APPROVE THE NEW CURRICULUM AND SYLLABI FOR II TO VIII SEMESTERS OF B. TECH. FOOD TECHNOLOGY UG DEGREE PROGRAMME OFFERED IN AFFILIATED INSTITUTIONS UNDER FACULTY OF TECHNOLOGY UNDER R2013.

RESOLVED TO APPROVE the new Curriculum and Syllabi for II to VIII semesters of B. Tech. Food Technology UG degree programme offered in Affiliated Institutions under Faculty of Technology under R2013.

B. TECH. FOOD TECHNOLOGY

FT19.02 TO CONSIDER AND APPROVE THE NEW CURRICULUM AND SYLLABI FOR II TO IV SEMESTERS OF M. TECH. COMPUTATIONAL BIOLOGY PG DEGREE PROGRAMME OFFERED IN UNIVERSITY DEPARTMENTS UNDER FACULTY OF TECHNOLOGY UNDER R2013.

RESOLVED TO APPROVE the new Curriculum and Syllabi for II to IV semesters of M. Tech. Computational Biology PG degree programme offered in University Departments under Faculty of Technology under R2013.

M. TECH. COMPUTATIONAL BIOLOGY

FT19.03 TO CONSIDER AND APPROVE THE CHANGE OF NOMENCLATURE OF B.TECH. AND M. TECH. DEGREE PROGRAMME IN AFFILIATED INSTITUTIONS UNDER FACULTY OF TECHNOLOGY.

RESOLVED TO APPROVE the change of nomenclature of B.Tech. and M. Tech. degree programme in Affiliated Institutions under Faculty of Technology.

Sl. No.	Existing Title	Proposed Title
1.	B. Tech. Textile Technology (Textile Chemistry) *	B. Tech. Textile Technology (with Specialization in Textile Processing)
2.	M. Tech. Textile Technology (with Specialization in Textile Chemistry) *	M. Tech. Textile Technology (with Specialization in Textile Processing)

* The Curriculum and Syllabi will be maintained same.

FT19.04 TO CONSIDER AND RATIFY THE ADDITIONAL COURSES TO BE STUDIED BY THE B.SC. GRADUATES ADMITTED TO III SEMESTER B. E. / B. TECH. UNDER THE LATERAL ENTRY SCHEME IN AFFILIATED INSTITUTIONS UNDER THE FACULTY OF TECHNOLOGY.

RESOLVED TO RATIFY the additional courses to be studied by the B.Sc. graduates admitted to III semester B. E. / B. Tech. under the Lateral entry scheme in Affiliated Institutions under the Faculty of Technology.

ANNEXURE – TI

FT19.05 TO CONSIDER AND APPROVE THE AMENDMENTS IN THE REGULATIONS OF B. E. / B. TECH. DEGREE PROGRAMMES OFFERED IN UNIVERSITY DEPARTMENTS UNDER REGULATIONS 2012 FOR INTRODUCTION OF ONE CREDIT COURSES.

RESOLVED TO APPROVE the amendments in the Regulations of B. E. / B. Tech. degree programmes offered in University Departments under Regulations 2012 for introduction of one credit courses.

ANNEXURE – TII

FT19.06 TO CONSIDER AND APPROVE THE AMENDMENT IN THE REGULATIONS OF B.E. / B.TECH. DEGREE PROGRAMMES OFFERED IN UNIVERSITY DEPARTMENTS UNDER REGULATIONS 2012 FOR ADVANCING OF COURSES TO BE STUDIED IN THE VIII SEMESTER TO FACILITATE THE STUDENTS TO CARRY OUT THEIR FINAL SEMESTER PROJECT WORK FOR SIX MONTHS IN INDUSTRY / RESEARCH ORGANIZATIONS.

RESOLVED TO APPROVE the amendment in the Regulations of B.E. / B.Tech. degree programmes offered in University Departments under Regulations 2012 for advancing of courses to be studied in the VIII semester to facilitate the students to carry out their final semester project work for six months in industry / research organizations.

ANNEXURE – TIII

FT19.07 TO CONSIDER AND RATIFY THE ADOPTION OF CURRICULUM AND SYLLABI OF I SEMESTER M.TECH. BIOTECHNOLOGY FOR THE I SEMESTER OF NEW PG PROGRAMME ‘M.TECH. COMPUTATIONAL BIOLOGY’.

RESOLVED TO RATIFY the adoption of Curriculum and Syllabi of I semester M.Tech. Biotechnology for the I semester of new PG programme M.Tech. Computational Biology.

[M.Tech. Bio Technology – I Semester](#)

FT19.08 A Member of the Academic Council suggested that four more experiments may be added in the course EE6368 Electrical and Electronics Engineering Lab. The Member also suggested that the syllabus of CH6312 Physical Chemistry Lab may be modified (for B.E. Chemical and Electrochemical Engineering). It was resolved to take up the matter in the next Board of Studies.

RESOLVED TO NOTE the decision made at the 20th Board of studies of Faculty of Technology that the courses mentioned are common with more than one branch and hence the matter needs to be discussed at the respective Syllabus Sub Committees and subsequent Board of Studies.

AGENDA FROM FACULTY OF SCIENCE AND HUMANITIES

Dr. K. Shanthi, Chairperson, Faculty of Science and Humanities moved the following items based on the decision of the Board of Studies in Science and Humanities.

I. ITEMS PERTAINING TO UNIVERSITY DEPARTMENTS

FS19.01 TO CONSIDER AND APPROVE THE NEW REGULATIONS 2015 FOR M.Sc. (5 YEARS INTEGRATED) DEGREE PROGRAMMES OFFERED IN UNIVERSITY DEPARTMENTS TO BE IMPLEMENTED FROM THE ACADEMIC YEAR 2015 – 2016 ONWARDS.

RESOLVED TO APPROVE the new Regulations 2015 for M.Sc. (5 years integrated) degree programmes offered in University Departments to be implemented from the Academic year 2015 – 2016 onwards.

M.Sc. (5 Years) – REGULATIONS 2015

FS19.02 TO CONSIDER AND APPROVE THE NEW CURRICULA AND SYLLABI FOR THE 5-YEAR M.Sc. DEGREE PROGRAMMES OFFERED IN UNIVERSITY DEPARTMENTS UNDER R-2015 WITH EFFECT FROM THE ACADEMIC YEAR 2015 – 2016 ONWARDS.

RESOLVED TO APPROVE the new Curricula and Syllabi for the 5-year M.Sc. degree programmes offered in University Departments under R-2015 with effect from the Academic year 2015 – 2016 onwards.

1. **M.Sc. Computer Science**
2. **M.Sc. Information Technology**
3. **M.Sc. Electronic Media**

FS19.03 TO CONSIDER AND APPROVE THE CURRICULA AND SYLLABI FOR THE NEW M.PHIL DEGREE PROGRAMMES OFFERED IN UNIVERSITY DEPARTMENTS UNDER R-2013 WITH EFFECT FROM THE ACADEMIC YEAR 2015 – 2016 ONWARDS.

RESOLVED TO APPROVE the Curricula and Syllabi for the new M.Phil degree programmes offered in University Departments under R-2013 with effect from the Academic year 2015 – 2016 onwards.

M.Phil. (Medical Physics)

FS19.04 TO CONSIDER AND RATIFY OFFERING OF I SEMESTER M.PHIL. (PHYSICS) COURSES (R-2013) FOR THE I SEMESTER OF NEW M.PHIL. (MEDICAL PHYSICS) DEGREE PROGRAMME OFFERED IN UNIVERSITY DEPARTMENTS FOR THE STUDENTS ADMITTED IN THE YEAR 2014 -2015.

RESOLVED TO RATIFY offering of I semester M.Phil. (Physics) courses (R-2013) for the I semester of new M. Phil. (Medical Physics) degree programme offered in University Departments for the students admitted in the year 2014 -2015.

II. ITEMS PERTAINING TO AFFILIATED INSTITUTIONS

FS19.05 TO CONSIDER AND APPROVE THE NEW REGULATIONS 2015 FOR M.Sc. (5 YEARS INTEGRATED) DEGREE PROGRAMMES OFFERED IN AFFILIATED INSTITUTIONS TO BE IMPLEMENTED FROM THE ACADEMIC YEAR 2015 – 2016 ONWARDS.

RESOLVED TO APPROVE the new Regulations 2015 for M.Sc. (5 years integrated) degree programmes offered in Affiliated Institutions to be implemented from the Academic year 2015 – 2016 onwards.

M.Sc. (5 Years) – REGULATIONS 2015

FS19.06 TO CONSIDER AND APPROVE THE NEW CURRICULA AND SYLLABI FOR THE 5-YEAR M.Sc. DEGREE PROGRAMMES OFFERED IN AFFILIATED INSTITUTIONS UNDER R-2015 WITH EFFECT FROM THE ACADEMIC YEAR 2015 – 2016 ONWARDS.

RESOLVED TO APPROVE the new Curricula and Syllabi for the 5-year M.Sc. degree programmes offered in Affiliated Institutions under R-2015 with effect from the Academic year 2015 – 2016 onwards.

1. [M.Sc. Software Systems](#)
2. [M.Sc. Electronic Media](#)

FS19.07 TO CONSIDER AND RATIFY THE PERMISSION GRANTED FOR THE SPECIAL ELECTIVE COURSES FOR Ph.D. / M.S. (BY RESEARCH) PROGRAMMES OFFERED IN AFFILIATED INSTITUTIONS UNDER THE FACULTY OF SCIENCE AND HUMANITIES, ANNA UNIVERSITY, CHENNAI.

RESOLVED TO RATIFY the permission granted for the Special Elective course for Ph.D. / M.S. (By Research) programmes offered in Affiliated Institutions under the Faculty of Science and Humanities, Anna University, Chennai.

[SSH002 Preparative Solid State Chemistry](#)

AGENDA FROM FACULTY OF ARCHITECTURE AND PLANNING

Dr. Monsingh D.Devadas, Chairman, Faculty of Architecture and Planning moved the following items based on the decision of the Board of Studies in Architecture and Planning.

I. ITEMS PERTAINING TO UNIVERSITY DEPARTMENTS

FA19.01 TO CONSIDER AND RATIFY THE AMENDED REGULATIONS 2009 FOR B.ARCH. DEGREE PROGRAMME OFFERED IN UNIVERSITY DEPARTMENT.

RESOLVED TO RATIFY the amended Regulations 2009 for B.Arch. degree programme offered in University Department.

[B.Arch. – Regulations 2009](#) (Amendment)

FA19.02 TO CONSIDER AND RATIFY THE AMENDED REGULATIONS 2012 FOR B.ARCH. DEGREE PROGRAMME OFFERED IN UNIVERSITY DEPARTMENT.

RESOLVED TO RATIFY the amended Regulations 2012 for B.Arch. degree programme offered in University Department.

[B.Arch. – Regulations 2012](#) (Amendment)

FA19.03 TO CONSIDER AND RATIFY THE AMENDMENTS MADE IN THE CURRICULA, SYLLABI AND REGULATIONS 2013 FOR PG DEGREE PROGRAMME (M.PLAN) OFFERED IN UNIVERSITY DEPARTMENT.

RESOLVED TO RATIFY the amendments made in the Curricula, Syllabi and Regulations 2013 for PG degree programme (M.Plan) offered in University Department.

1. **[M.Plan. – Regulations 2013](#)**
2. **[M.Plan. – Curricula and Syllabi](#)**

FA19.04 TO CONSIDER AND RATIFY THE SCHEME OF EXAMINATION UNDER R-2013 FOR PG DEGREE PROGRAMME (M.PLAN) OFFERED UNDER THE FACULTY OF ARCHITECTURE AND PLANNING IN UNIVERSITY DEPARTMENTS OF ANNA UNIVERSITY, CHENNAI.

RESOLVED TO RATIFY the scheme of examination under R-2013 for PG degree programme (M.Plan) offered under the Faculty of Architecture and Planning in University Departments of Anna University, Chennai.

M. Plan. – Scheme of Examination (I to IV semesters)

FA19.05 TO CONSIDER AND RATIFY THE PERMISSION GRANTED FOR THE SPECIAL ELECTIVE COURSES FOR M.S. (BY RESEARCH)/ Ph.D. PROGRAMMES OFFERED UNDER THE FACULTY OF ARCHITECTURE AND PLANNING, ANNA UNIVERSITY, CHENNAI.

RESOLVED TO RATIFY the permission granted for the Special Elective courses for M.S. (By Research)/ Ph.D. programmes offered under the Faculty of Architecture and Planning, Anna University, Chennai.

1. **FA 1919 Architecture under Colonial Rule**
2. **FA 1920 Sustainable Landscape Urbanism**

FA19.06 TO CONSIDER AND APPROVE TO AMEND THE REGULATIONS, CURRICULUM 2012 IN VIEW OF THE ITEM BROUGHT FORWARD BY DEPARTMENT CONSULTATIVE COMMITTEE OF DEPARTMENT OF ARCHITECTURE TO INTERCHANGE PRACTICAL TRAINING I AND II, DISSERTATION COURSES OFFERED IN 4TH YEAR (VII AND VIII SEMESTER) WITH 5TH YEAR (IX AND X SEMESTER) COURSES RESPECTIVELY. IN VIEW OF THE ABOVE, TO AMEND THE CURRICULUM STRUCTURE AND THE SCHEME OF EXAMINATION FOR R2012.

RESOLVED TO APPROVE the amendments to the Regulations, Curriculum 2012 in view of the item brought forward by Department Consultative Committee of Department of Architecture to interchange Practical Training I and II, dissertation courses offered in 4th year (VII and VIII semester) with 5th year (IX and X semester) courses respectively. In view of the above, to amend the Curriculum structure and the Scheme of Examination for R2012.

[B.Arch. 2012 Curriculum](#) - Revised

[Scheme of Examination](#) - Revised

[Regulations 2012](#) - Revised

FA19.07 TO CONSIDER AND APPROVE THE AMENDMENTS TO THE B.ARCH. DEGREE PROGRAMME OFFERED IN UNIVERSITY DEPARTMENTS UNDER REGULATIONS 2012 FOR INTRODUCTION OF ONE CREDIT COURSES.

RESOLVED TO APPROVE the amendments to the B.Arch. degree programme offered in University Departments under Regulations 2012 for introduction of one credit courses.

ANNEXURE - AI

II. ITEMS PERTAINING TO AFFILIATED INSTITUTIONS

FA19.08 TO CONSIDER AND RATIFY THE AMENDED REGULATIONS 2013 FOR B.ARCH. DEGREE PROGRAMMES OFFERED IN AFFILIATED INSTITUTIONS.

RESOLVED TO RATIFY the amended Regulations 2013 for B.Arch. degree programmes offered in Affiliated Institutions.

[B.ARCH. – REGULATIONS 2013](#) (Amendment)

FA19.09 TO CONSIDER AND APPROVE TO AMEND REGULATIONS, CURRICULUM 2013 FOR B.ARCH. DEGREE PROGRAMME OFFERED IN AFFILIATED INSTITUTION. THIS IS IN VIEW OF INTERCHANGING OF PRACTICAL TRAINING I AND II, OFFERED IN 4TH YEAR (VII AND VIII SEMESTER) WITH 5TH YEAR (IX AND X SEMESTER) COURSES RESPECTIVELY. CORRESPONDINGLY, CURRICULUM AND THE SCHEME OF EXAMINATION FOR R 2013 IS REVISED.

RESOLVED TO APPROVE amendments to the Regulations, Curriculum 2013 for B.Arch. degree programme offered in Affiliated Institution. This is in view of interchanging of Practical Training I and II, offered in 4th year (VII and VIII semester) with 5th year (IX and X semester) courses respectively. Correspondingly Curriculum and the Scheme of Examination for R 2013 is revised.

[B.Arch. 2013 Curriculum](#) - Revised

[Scheme of Examination](#) - Revised

[Regulations 2013](#) - Revised

AGENDA FROM FACULTY OF MANAGEMENT SCIENCES

Dr. G. Rajendran, Chairman, Faculty of Management Sciences moved the following items based on the decision of the Board of Studies in Management Sciences.

FN19.01 TO CONSIDER AND APPROVE THE CURRICULA AND SYLLABI FOR II TO IV SEMESTERS FOR M.B.A. TOURISM MANAGEMENT (FULL - TIME) PROGRAMME OFFERED UNDER THE FACULTY OF MANAGEMENT SCIENCES IN THE UNIVERSITY DEPARTMENTS WITH EFFECT FROM THE ACADEMIC YEAR 2014 -2015.

The Standing Committee suggested that French may be offered as an elective and instead any one of the electives may be included as core subject. Modification to the curriculum was carried out according to the discussions at the Standing Committee meeting.

RESOLVED TO APPROVE the Curricula and Syllabi for II to IV semesters for M.B.A. Tourism Management (Full - Time) programme offered under the Faculty of Management Sciences in the University Departments with effect from the Academic year 2014 -2015.

[M.B.A. TOURISM MANAGEMENT - Full Time \(SS\)](#)

FN19.02 TO CONSIDER AND RATIFY THE PERMISSION GRANTED FOR THE SPECIAL ELECTIVE COURSES FOR Ph.D. / M.S. (BY RESEARCH) PROGRAMMES OFFERED UNDER THE FACULTY OF MANAGEMENT SCIENCES, ANNA UNIVERSITY, CHENNAI.

RESOLVED TO RATIFY the permission granted for the Special Elective courses for Ph.D. / M.S. (By Research) programmes offered under the Faculty of Management Sciences, Anna University, Chennai.

1. **[FN9008 Development Initiatives and Human Development](#)**
2. **[FN9009 Workplace Spirituality](#)**

FN19.03 TO CONSIDER AND APPROVE THE AMENDMENT IN CLAUSE 3 OF R 2013 OF M.B.A. DEGREE PROGRAMME DISTANCE MODE TO INCREASE THE MAXIMUM PERIOD FOR COMPLETION OF FROM 12 SEMESTERS TO 16 SEMESTERS, OFFERED UNDER THE FACULTY OF MANAGEMENT SCIENCES.

RESOLVED TO APPROVE the amendment in Clause 3 of R 2013 of M.B.A. degree programme Distance Mode to increase the maximum period for completion from 12 semesters to 16 semesters, offered under the Faculty of Management Sciences.

REGULATIONS 2013

CLAUSE 3 - DURATION OF THE PROGRAMME

FN19.04 TO INFORM THAT THE BOARD OF STUDIES DISCUSSED INCLUSION OF FOLLOWING ADDITIONAL ELECTIVE SUBJECTS FOR M.B.A DEGREE PROGRAMME (FULL-TIME AND PART-TIME) R-2013 OFFERED UNDER THE FACULTY OF MANAGEMENT SCIENCES FOR THE AFFILIATED INSTITUTIONS WITH EFFECT FROM THE ACADEMIC YEAR 2014 -2015. IT WAS DECIDED AT THE BOARD OF STUDIES TO CONSIDER THIS MATTER IN THE NEXT CURRICULUM REVISION.

- 1. Airline and Airport management**
- 2. Hospital Management**
- 3. Shipping and Logistics Management**

RESOLVED TO NOTE the decision made at the 20th Board of studies of Faculty of Management Sciences that inclusion of above three electives would be considered in the next curriculum revision.

FN19.05 THE MEMBERS OF ACADEMIC COUNCIL SUGGESTED THAT THE ELECTIVES OFFERED IN M.B.A. PROGRAMME OF THE UNIVERSITY DEPARTMENTS MAY BE OFFERED IN AFFILIATED COLLEGES ALSO. MOREOVER THE MEMBERS SUGGESTED THAT ADDITIONAL ON DEMAND ELECTIVES CAN ALSO BE INCLUDED. THE BOARD OF STUDEIS DISCUSSED THE ABOVE MATTER AND IT WAS DECIDED TO CONSIDER THIS ISSUE IN THE NEXT CURRICULUM REVISION.

RESOLVED TO NOTE the decision made at the 20th Board of studies of Faculty of Management Sciences to take up this issue for consideration in the next curriculum revision.

AGENDA FROM RESEARCH BOARD

Dr. Usha Natesan, Director, Centre for Research moved the following items based on the decision of the Research Board Meeting.

FR19.01 TO RATIFY THE AMENDMENTS TO THE Ph.D./M.S. (By RESEARCH) REGULATIONS.

RESOLVED TO RATIFY the amendments to the Ph.D./M.S. (By Research) Regulations.

AMENDMENTS Ph.D./M.S. (By RESEARCH)**FR19.02 TO CONSIDER THE PROPOSAL OF THE FOLLOWING AMENDMENTS IN THE Ph.D. REGULATIONS 2010**

RESOLVED TO APPROVE the proposal of the following amendments in the Ph.D. Regulations 2010.

AMENDMENTS IN THE Ph.D. R - 2010**FR19.03 TO CONSIDER AND APPROVE THE MODIFICATIONS IN THE D.Sc. REGULATIONS.**

RESOLVED TO APPROVE the modifications in the D.Sc. Regulations

Regulations – (D.Sc.)**FR19.04 TO CONSIDER AND APPROVE THE RESEARCH CONDUCT RULES TO BE INCLUDED IN Ph.D./M.S. (By RESEARCH) REGULATIONS.****RESEARCH CONDUCT RULES**

RESOLVED TO MODIFY the Research conduct rules and the form attached as indicated below. The modified version would be placed in the forthcoming Research Board.

RESEARCH CONDUCT RULES - Modified

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

Other points discussed by the Academic council.

1. One of the members suggested that Anna University could initiate a Masters Programme in Education which the teachers should undergo before commencing teaching profession. However, another member pointed out that NITTR centre are conducting programmes along the same lines.

It was decided that the matter could be discussed in detail and taken up in the next Academic Council.

2. One of the members suggested the need to explore the possibility of obtaining certification for the Language Laboratories offered for UG programmes.

The Director, Academic Courses explained that in general a course offered in the Curriculum could not be directly given certification. However, the students could be provided additional training and given the option to obtain certification. The University would interact with agencies like British Council, Cambridge University, etc. regarding the certification.

3. One of the members suggested that the course on “Signal and Systems” offered currently in III Semester (University Departments) required the Mathematical course being offered in the same semester and hence the corresponding Mathematical course may be offered in the previous semester.

Resolved to take up the matter during next major Curriculum and Syllabus revision.

4. One of the members expressed apprehension that a large number of final year projects were bought from Project Centres. The member felt that there was a need to arrest this trend.

The Director, Academic Courses suggested that one of the mechanisms to reduce this trend is to make it mandatory to upload all details about the project in the open web.

Resolved to take up this matter for consideration after discussion at appropriate levels.

5. During general discussions, one of the members felt that there needs to be a radical change in Under Graduate Engineering education in order to meet the exacting requirements of the industry. The member expressed the view that the industry required the students to produce profitable output in a short span of time. Another member expressed the view that rather than making small delta changes in the Curriculum and Syllabi, there is a need to Design a novel syllabus starting from scratch keeping in mind the challenges of the globally connected world and the ever changing needs of the industry. However, other members felt that providing in-depth fundamental knowledge is most important.

Another member expressed the view that the 4 components of learning pedagogy – Assimilation, Analysis, Synthesis and Innovation could be incorporated in every course in the curriculum. Another member explained that in the B. Arch. Programme, there is already emphasis on practice through Studio courses. Many members argued that innovative changes in the Curriculum and Syllabus require active involvement of the industry, a change in perspective by the faculty and carefully designed Training-the-Trainer Programmes.

The Director, Academic Courses concluded that the process of designing innovative Curricula and Syllabi requires active participation from all stakeholders including members of the industry, academia, students, parents, government and alumni through a series of thought provoking interactions and discussions that would be initiated as soon as possible. Finally the Director, thanked all the members for the valuable suggestions and requested cooperation in framing exciting and path-breaking Curricula and Syllabi to take Anna University towards being a Global leader in Technical Education.

TABLE ITEMS:

19.5.1 TO NOTE THE APPROVAL GIVEN BY THE SYNDICATE TO THE MINUTES OF THE EIGHTEENTH MEETING OF THE ACADEMIC COUNCIL HELD ON 09.08.2014.

RESOLVED TO NOTE the approval of the Minutes of the Eighteenth Academic Council.

Minutes of 18th Academic Council

19.5.2 TO CONSIDER AND APPROVE THE INTRODUCTION OF ELECTIVE COURSE ON HUMAN RIGHTS FOR THE STUDENTS OF B.E. / B.TECH. / B. ARCH. / M.SC. (5 YEARS) INTEGRATED DEGREE PROGRAMMES OFFERED IN UNIVERSITY DEPARTMENTS AND AFFILIATED INSTITUTIONS OF ANNA UNIVERSITY, CHENNAI.

RESOLVED TO APPROVE the introduction of Elective course on Human Rights for the students of B.E. / B.Tech. / B. Arch. / M.Sc. (5 years) Integrated degree programmes offered in University Departments and Affiliated Institutions of Anna University, Chennai.

HUMAN RIGHTS


REGISTRAR & SECRETARY
OF THE
ACADEMIC COUNCIL