

Annexure to item No. 234.2.5

NOTE: Please Refer Page No.24

ANNA UNIVERSITY : : CHENNAI – 600 025

THE MINUTES OF THE 18TH ACADEMIC COUNCIL

MINUTES OF THE EIGHTEENTH MEETING OF THE ACADEMIC COUNCIL HELD ON 09.08.2014 AT 10.00 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. K. Srinivasan | 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. P. Vijian | The Principal, Govt. College of Engg, Govt. Polytechnic Coll Campus, Baisuhalli Post, Dharmapuri - 635 205. |
| 13 | Prof. K. Subathra | The Principal (i/c), Govt. College of Engineering, Bargur – 104. |
| 14 | Dr. Esther Annlin Kala James | The Principal, Government College of Engg, Bharathidasan Institute of Technology Campus, Thiruchirapalli - 620 024. |
| 15 | Dr. D. Shalini Punithavathani | The Principal, Government College of Engineering, Kanyakumari Road, Perumalpuram, Tirunelveli – 627 007. |
| 16 | Dr. S. Palaniswami | The Principal, Government College of Engineering, Kalapandian Polytechnic College Campus, Sillamarathupatti, Bodiyanayakanur, Theni District. |
| 17 | Dr. A. Mala | The Principal, Alagappa Chettiar College of Engineering and Technology, Karaikudi – 630 004. |
| 18 | Dr. R. Rudramoorthy | The Principal, PSG College of Technology, Avinashi Road, Peelamedu, Coimbatore - 641 004. |
| 19 | Dr. V. Selladurai | The Principal, Coimbatore Institute of Technology, Civil Aerodrome Post, Coimbatore – 641 014. |

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| 20 | Dr. R. Senthil | Professor, Department of Civil Engineering, AU, Ch – 600 025 |
| 21 | Dr. L. Karunamoorthy, | Professor, Department of Mechanical Engineering, AU, Ch – 25 |
| 22 | Dr. Usa | Professor, Department of Electrical & Electronics Engg, AU, Chennai– 25 |
| 23 | Dr. S. Muttan | Dean, Anna University Regional Centre, BIT Campus, Trichy. |
| 24 | Dr. Arul Siromony | Professor, Department of Computer Science and Engineering, Anna University, Chennai – 600 025. |
| 25 | Dr. M. Alagar | Professor, Dept of Chemical Engineering, AU, Ch - 25. |
| 26 | Dr. Bhoopathy Bagan | Professor, Department of Electronics Engineering, MIT Campus, Anna University, Chennai – 600 044. |
| 27 | Dr. M. Venkatesan | Professor, Department of Mathematics, AU, Chennai – 25. |
| 28 | Dr. N. Nagarajan | The Principal, Coimbatore Institute of Engineering and Technology, Narasipuram Post, Coimbatore - 641 109 |
| 29 | Dr. M. Shahul Hameed | The Principal, N P R College of Engineering and Technology, Punnapatti Village, Uluppakudi, Natham, Dindigul - 624 003 |
| 30 | Dr. S. Ramakrishnan | The Principal, Sakthi Mariamman Engineering College, 55, Narayanasamy Nagar, Thandalam, Chennai - 602 105. |
| 31 | Dr. Elwin Chandra Monie | The Principal, R M K Engineering College, Kavarpattai, Gummidipoondi - 601 206. |
| 32 | Dr. R. Asokan | The Principal, Mahendra College of Engineering, Attur Road, Minnampalli, Salem - 636 106. |
| 33 | Dr. C. Sundar Raj | The Principal, A V C College of Engineering, Mannampandal Post, Mayiladuthurai, Nagapattinam Dist. - 609 305 |
| 34 | Dr. P. Marimuthu | The Principal, Syed Ammal Engineering College, Achuthan Vayal Post, Ramanathapuram 623 502. |
| 35 | Dr. G. Mohan kumar | The Principal, Park College of Engineering and Technology, Kaniyur, Coimbatore - 641 659 |
| 36 | Dr. K.S. Saji | The Principal, Vins Christian women's College of Engineering, Vins Nagar Chunkankadi Post, Nagercoil - 629 807, Kanyakumari Dist. |
| 37 | Dr. D. Srinivasan | The Principal, K. Ramakrishnan College of Engineering, Samayapuram, Kaniyamanickkam Road, Mannachanallur, Tiruchirappalli - 621 112 |
| 38 | Prof. R. Parthiban | The Principal, Sri Venkateswara College of Engineering, Post Bag No.3, Chennai-Bangalore Highway, Pennalur Village and Post, Sriperumbudur - 602 105. |
| 39 | Dr. A. V. Ramprasad | The Principal, K L N College of Engineering, Pottapalayam, Sivagangai District 630 611 |
| 40 | Dr. P. Venkumar | The Principal, Scad College of Engineering and Technology, Thirunelveli-Shencottai Road, Scad Nagar, Cheranmahadevi, Thirunelveli - 627 414 |
| 41 | Dr. S. Arul | The Principal, JNN Institute of Engineering, Ushaa Garden, 90, Kannigaipair Village, Uthukottai Taluk, Thiruvallur - 601 102. |
| 42 | Dr. P. Narayanasamy | Professor, Department of Information Science and Technology, CEG Campus, Anna University, Chennai - 600 025. |
| 43 | Dr. K. Nagamani | Professor, Department of Civil Engineering, AU, Ch - 25. |
| 44 | Dr. N. Periyaraj | The Chief Engineer (General) Highways Department, Chepauk, Chennai – 600 005. |
| 45 | Thiru. V. Varadharajan Joint Managing Director | Managing Director (i/c) / Chairman Metropolitan Transport Corporation [Chennai] Ltd "Pallavan House", Anna Salai, Chennai – 600 002. |

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| 46 | Mr. S. Thennarasu | Director, Saranya Spinning Mills Pvt. Ltd, 10/43, Thuraiyur Main Road, Ponneri (Po), Namakkal – 637 013. |
| 47 | Ms. Hema Gopal | Vice- President, TCS, IT Cathedral Road Chennai – 086. |
| 48 | Dr. S. Chithra | The Chief Urban Planner, Chennai Metropolitan Development Authority (CMDA), No.1, Gandhi Irwin Road, Egmore, Ch – 8. |
| 49 | Dr. S. Sakthivel | The General Manager (F&R), Tamilnadu Industrial Investment Corporation Ltd., 692, Anna Salai, Nandanam, Chennai - 35 |
| 50 | Dr. P. Subramaniam | Dean (Administration), Centre for Education, Central Electrochemical Research Institute, Karaikudi – 630 006. |
| 51 | Dr. A. K. Natesan | The Chairman, ISTE Tamilnadu and Pondicherry Section, Excel Engg. College Campus, Palakkapalayam (PO), Komarapalayam - 637 303, Namakkal District. |
| 52 | 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. |
| 53 | Thiru. K. E. Raghunathan | All India Manufacturing Organisation, Round Table House, 2nd Floor, 80/69, N.H.Road, Chennai - 600 034. |
| 54 | Dr. V. Ramakrishnan | Small industries Service Institute (SISI), No.65/1, GST Road, Guindy, Chennai - 25. |
| 55 | Dr. Ramadoss | Professor, Department of Computer Applications, National Institute of Technology, Tiruchirappalli. |
| 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
Madras Institute of Technology Campus,
Anna University, Chromepet, Chennai - 600 044.
3. The Additional Controller of Examinations
Anna University, Chennai - 600 025.
4. The Director
Centre for Research, Anna University, Chennai – 600 025.

The meeting began with the welcome address by the Registrar, Anna University, Chennai, welcoming the members 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 Chair the meeting and invited the Chairpersons of the Faculties to present their Agenda items.

The Vice-Chancellor while addressing the Council, highlighted the various developments that had taken place in the last two years. He also stressed the importance of providing quality education to the student community. He sought the cooperation and valuable guidance from the 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.

VC 18.01 TO NOTE THE APPROVAL GIVEN BY THE SYNDICATE TO THE MINUTES OF THE SEVENTEENTH MEETING OF THE ACADEMIC COUNCIL (AD HOC COMMITTEE) HELD ON 27.04.2012.

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

ANNEXURE – AI

VC 18.02 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

VC 18.03 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 EXAMS.

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 exams.

Notifications – I (2012)

Notifications – II (2013)

Notifications – III (2014)

VC 18.04 TO CONSIDER AND RATIFY THE PERMISSION GIVEN TO STUDENTS FOR 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 for Exchange programme of Anna University Departments to undergo various semesters of study at Universities abroad under various agreements.

ANNEXURE – AII

A Member suggested that the facility may be extended and permission may be given to students of Affiliated Colleges to undergo various semesters of study at Universities abroad under various agreements.

RESOLVED to take up the matter for further discussion.

VC 18.05 TO CONSIDER AND RATIFY THE SPECIAL PERMISSION GRANTING ADDITIONAL PERIOD OF STUDY TO THE INDIVIDUAL STUDENTS FOR COMPLETING THEIR DEGREE PROGRAMME.

RESOLVED TO RATIFY the Special permission granting additional period of study to the individual students for completing their degree programme.

ANNEXURE - AIII

VC 18.06 TO CONSIDER AND RATIFY THE AMENDMENTS TO THE B. E. / B.TECH. DEGREE PROGRAMME OFFERED IN UNIVERSITY DEPARTMENTS UNDER REGULATIONS 2012.

RESOLVED TO RATIFY the Amendments to the B. E. / B.Tech. degree programme offered in University Departments under Regulations 2012.

AMENDMENTS – REGULATIONS 2012

VC 18.07 TO CONSIDER AND RATIFY THE AMENDMENTS FOR THE B. ARCH. DEGREE PROGRAMMES OFFERED IN UNIVERSITY DEPARTMENTS & AFFILIATED INSTITUTIONS UNDER REGULATIONS 2009 & 2012.

RESOLVED TO RATIFY the Amendments for the B. Arch. degree programmes offered in University Departments & Affiliated Institutions under Regulations 2009 & 2012.

**AMENDMENTS – REGULATIONS 2009 (Aff. Institutions)
REGULATIONS 2009 (Univ. Dept)
REGULATIONS 2012**

VC 18.08 TO CONSIDER AND RATIFY THE NOMENCLATURE STRUCTURE PRESCRIBED FOR THE PG DEGREE PROGRAMME OFFERED IN AFFILIATED INSTITUTIONS UNDER REGULATIONS 2013.

RESOLVED TO RATIFY the Nomenclature Structure prescribed for the PG degree programme offered in Affiliated Institutions under Regulations 2013.

ANNEXURE – AIV

VC 18.09 TO CONSIDER AND RATIFY THE FOLLOWING REGULATIONS 2013 FOR THE UG / PG PROGRAMMES OFFERED BY THE UNIVERSITY DEPARTMENTS.

RESOLVED TO RATIFY the following Regulations 2013 for the UG / PG programmes offered by the University Departments.

- (a) **Regulations 2013** – UG – B.E./B.Tech. (Part-Time)
- (b) **Regulations 2013** –PG–M.E./M.Tech./M.C.A./M.B.A./M.Sc.(2Yrs)
- (c) **Regulations 2013** – PG – M.Arch./M.Plan
- (d) **Regulations 2013** – M. Phil.

VC 18.10 TO CONSIDER AND RATIFY THE FOLLOWING REGULATIONS 2013 FOR UG (FT) / PG (FT/PT) AND R-2014 FOR UG (PT) PROGRAMMES OFFERED BY THE COLLEGES AFFILIATED TO ANNA UNIVERSITY, CHENNAI.

RESOLVED TO RATIFY the following Regulations 2013 for UG (FT) / PG (FT/PT) and R-2014 for UG (PT) programmes offered by the colleges Affiliated to Anna University, Chennai.

- (a) **Regulations 2013** – UG – B.E./B.Tech.
- (b) **Regulations 2014** – UG – B.E./B.Tech. (Part-Time)
- (c) **Regulations 2013** – UG – B.Arch.
- (d) **Regulations 2013** – PG – M.E./M.Tech./M.C.A./M.B.A.
- (e) **Regulations 2013** – PG – M.Arch.

VC 18.11 TO CONSIDER AND RATIFY THE FOLLOWING REGULATIONS 2013 FOR THE PG PROGRAMMES OFFERED BY THE DISTANCE MODE, ANNA UNIVERSITY, CHENNAI.

RESOLVED TO RATIFY the following Regulations 2013 for the PG programmes offered by the Distance Mode, Anna University, Chennai.

Regulations 2013 – M.C.A./M.B.A./M.Sc

1. BUSINESS BROUGHT FORWARDED BY THE BOARDS OF STUDIES.**AGENDA FROM FACULTY OF CIVIL ENGINEERING****I. ITEMS PERTAINING TO UNIVERSITY DEPARTMENTS**

FC 18.01 TO CONSIDER AND RATIFY THE CURRICULA AND SYLLABI FOR THE UG (PART-TIME) PROGRAMME OFFERED IN UNIVERSITY DEPARTMENTS UNDER R-2013 WITH EFFECT FROM THE ACADEMIC YEAR 2013 – 2014 ONWARDS.

RESOLVED TO RATIFY the Curricula and Syllabi for the UG (Part-Time) programme offered in University Departments under R-2013 with effect from the Academic year 2013 – 2014 onwards.

B.E. (PART- TIME) CIVIL ENGINEERING

FC 18.02 TO CONSIDER AND RATIFY THE CURRICULA AND SYLLABI FOR THE PG (FT / PT) DEGREE PROGRAMME OFFERED IN UNIVERSITY DEPARTMENTS UNDER R-2013 WITH EFFECT FROM THE ACADEMIC YEAR 2013 – 2014 ONWARDS.

RESOLVED TO RATIFY the Curricula and Syllabi for the PG (FT / PT) Degree programme offered in University Departments under R-2013 with effect from the Academic year 2013 – 2014 onwards

1. **M.E. Structural Engineering**
2. **M.E. Construction Engineering and Management**
3. **M.E. Irrigation Water Management**
4. **M.E. Hydrology and Water Resources Engineering**
5. **M.E. Environmental Engineering**
6. **M.E. Transportation Engineering**
7. **M.E. Soil Mechanics and Foundation Engineering**
8. **M.E. Environmental Management**

9. M.E. Geomatics
10. M.Tech. Remote Sensing
11. M.E. Integrated Water Resource Management
12. M.Tech. Coastal Management

The Commissioner of DOTE interacting via Skype enquired about the difference between M.E. Environmental Engineering and M.E. Environmental Management. The chairman explained that there is 60% difference in Curricula and Syllabi between the two programmes.

FC 18.03 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 CIVIL ENGINEERING, 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 Civil Engineering, Anna University, Chennai.

1. FC9009 Instrumentation in Geotechnical Engineering
2. FC9010 Concretes and Repair Techniques
3. FC9011 Pavement Materials
4. FC9012 Climate Change and Climate Modelling
5. FC9013 Wind Energy Noise Mitigation

II. ITEMS PERTAINING TO AFFILIATED INSTITUTIONS

FC 18.04 TO CONSIDER AND RATIFY THE CURRICULA AND SYLLABI FOR THE FOLLOWING UG PROGRAMMES OFFERED IN INSTITUTIONS AFFILIATED TO ANNA UNIVERSITY AFTER THE MERGER UNDER R-2008 BY ADOPTING THE CURRICULA AND SYLLABI FROM THE DIFFERENT ERSTWHILE ANNA UNIVERSITY OF TECHNOLOGY.

RESOLVED TO RATIFY the Curricula and Syllabi for the following UG programmes offered in Institutions Affiliated to Anna University after the merger under R-2008 by adopting the Curricula and Syllabi from the different erstwhile Anna University of Technology.

I Semester (Common to All branches)

1. B.E. Environmental Engineering (II – VIII)
2. B.E. Geo Informatics Engineering (II – VIII)

FC 18.05 TO CONSIDER AND RATIFY THE CURRICULA AND SYLLABI FOR THE FOLLOWING PG PROGRAMMES OFFERED IN INSTITUTIONS AFFILIATED TO ANNA UNIVERSITY AFTER THE MERGER UNDER R-2009 BY ADOPTING THE CURRICULA AND SYLLABI FROM THE DIFFERENT ERSTWHILE ANNA UNIVERSITY OF TECHNOLOGY.

RESOLVED TO RATIFY the Curricula and Syllabi for the following PG programmes offered in institutions Affiliated to Anna University after the merger under R-2009 by adopting the Curricula and Syllabi from the different erstwhile Anna University of Technology.

1. M.E. Soil Mechanics and Foundation
2. M.E. Environmental Engineering
3. M.E. / M.Tech. Environmental Science and Engg.
4. M.E./ M.Tech. Remote Sensing

FC 18.06 TO CONSIDER AND RATIFY THE CURRICULA AND SYLLABI FOR THE PG (PART-TIME) PROGRAMME OFFERED IN AFFILIATED INSTITUTIONS UNDER R-2009.

RESOLVED TO RATIFY the Curricula and Syllabi for the PG (Part-time) programme offered in Affiliated Institutions under R-2009.

M.E. (Part- Time) Structural Engineering & Construction

FC 18.07 TO CONSIDER AND RATIFY THE CURRICULA AND SYLLABI I TO VIII SEMESTERS FOR THE UG PROGRAMMES OFFERED IN AFFILIATED INSTITUTIONS WITH EFFECT FROM THE ACADEMIC YEAR 2013 – 2014 ONWARDS.

RESOLVED TO RATIFY the Curricula and Syllabi I to VIII semesters for the UG programmes offered in Affiliated Institutions with effect from the academic year 2013 – 2014 onwards.

- 1. B.E. Civil Engineering**
- 2. B.E. Environmental Engineering**
- 3. B.E. Geo Informatics Engineering**

- **A Member 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.**

RESOLVED to put up this matter to members of Board of Studies for further discussion in the next Board of Studies.

- **The Members requested that the Theory and the corresponding Lab course may be offered in the same semester instead of in consecutive semesters. (Example Highway Engineering (Theory) and Design of Reinforced Concrete Elements (Theory) are offered in V Semester and corresponding Lab (Concrete and Highway Engineering) is offered in VI Semester). However, there was divided opinion among the members of the Academic Council.**

RESOLVED that this point can be discussed in the next Board of Studies to come out with suitable modification if required.

FC 18.08 TO CONSIDER AND RATIFY THE CURRICULA AND SYLLABI I TO VII SEMESTERS FOR THE UG (PART-TIME) PROGRAMME OFFERED IN AFFILIATED INSTITUTIONS UNDER R-2014 WITH EFFECT FROM THE ACADEMIC YEAR 2014 – 2015 ONWARDS.

RESOLVED TO RATIFY the Curricula and Syllabi I to VII semesters for the UG (Part-Time) programme offered in Affiliated Institutions under R-2014 with effect from the Academic year 2014 – 2015 onwards.

B.E. (Part- Time) Civil Engineering

FC 18.09 TO CONSIDER AND RATIFY THE CURRICULA AND SYLLABI FOR THE PG (FT/PT) DEGREE PROGRAMMES OFFERED IN AFFILIATED INSTITUTIONS WITH EFFECT FROM THE ACADEMIC YEAR 2013 – 2014 ONWARDS.

RESOLVED TO RATIFY the Curricula and Syllabi for the PG (FT/PT) degree programmes offered in Affiliated Institutions with effect from the Academic year 2013 – 2014 onwards.

- 1. M.E. Construction Engineering and Management (FT / PT)**
- 2. M.E. Environmental Engineering (FT / PT)**
- 3. M.E. Soil Mechanics and Foundation Engineering (FT / PT)**
- 4. M.E. Structural Engineering (FT / PT)**
- 5. M.Tech. Remote Sensing (FT)**

FC 18.10 TO CONSIDER AND RATIFY THE PERMISSION GRANTED FOR THE SPECIAL ELECTIVE COURSES FOR Ph.D. / M.S. (BY RESEARCH) PROGRAMMES OFFERED IN THE AFFILIATED INSTITUTIONS UNDER THE FACULTY OF CIVIL ENGINEERING, ANNA UNIVERSITY, CHENNAI.

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

1. SCE001 Applications of Nanomaterials in Civil Engineering

FC 18.11 TO CONSIDER AND APPROVE CURRICULUM AND SYLLABI FOR I SEMESTER IN R-2013 WITH EFFECT FROM THE ACADEMIC YEAR 2014 – 2015 ONWARDS FOR NEW UG DEGREE PROGRAMME B.E. AGRICULTURE ENGINEERING OFFERED IN AFFILIATED INSTITUTIONS. IT IS PROPOSED TO BEGIN A NEW FACULTY IN THE NAME OF AGRICULTURAL ENGINEERING AS PER THE DIRECTION OF VC, ANNA UNIVERSITY, CHENNAI.

The I Semester Curriculum and Syllabus common for all B.E. / B.Tech. Programmes offered in Affiliated Institutions (except Marine Engineering) under R-2013, may be adopted for I Semester B.E. (Agriculture Engineering) for the Academic year 2014 – 2015. Further, the Curriculum and Syllabus of II to VIII Semesters of B.E. (Agriculture Engineering) will be provided after necessary academic process.

The chairman explained that an analysis was done in order to find the faculty under which B.E. Agriculture Engineering Regulation 2013 offered under the Affiliated Institutions could be included and after due deliberations, the standing committee agreed that a separate **Faculty of Agricultural Engineering** could be formed under which this programme could be included. However, at present the programme will be under the Faculty of Civil Engineering.

RESOLVED TO APPROVE the I semester Curriculum and Syllabi of B.E. / B.Tech. Programme under R-2013 for the new UG degree programme B.E. Agriculture Engineering offered in Affiliated Institutions with effect from the Academic year 2014 – 2015 onwards. It is proposed to begin a new Faculty in the name of Agricultural Engineering.

The Commissioner of DOTE, questioned the need for a separate faculty for one UG Programme (B.E. Agriculture Engineering) and stressed the fact that the formation of faculty should not delay the framing of Curricula & Syllabi. The Chairman explained that faculty members from the related departments of the University were drawn and the Syllabus Sub Committee was finalized by the Director (AC) for preparing the Curriculum and Syllabi of B.E. Agriculture Engineering.

AGENDA FROM FACULTY OF MECHANICAL ENGINEERING**I. ITEMS PERTAINING TO UNIVERSITY DEPARTMENTS**

FM 18.01 TO CONSIDER AND RATIFY THE CURRICULA AND SYLLABI FOR THE UG (PART-TIME) PROGRAMMES OFFERED IN UNIVERSITY DEPARTMENTS UNDER R-2013 WITH EFFECT FROM THE ACADEMIC YEAR 2013 – 2014 ONWARDS.

RESOLVED TO RATIFY the Curricula and Syllabi for the UG (Part-Time) programmes offered in University Departments under R-2013 with effect from the Academic year 2013 – 2014 onwards.

- 1. B.E (Part-Time) Mechanical Engineering**
- 2. B.E (Part-Time) Manufacturing Engineering**
- 3. B.E (Part-Time) Automobile Engineering**
- 4. B.E (Part-Time) Industrial Engineering**
- 5. B.E (Part-Time) Production Engineering**
- 6. B.E (Part-Time) Printing Technology**

FM 18.02 TO CONSIDER AND RATIFY THE CURRICULA AND SYLLABI FOR THE PG (FT / PT) DEGREE PROGRAMMES OFFERED IN UNIVERSITY DEPARTMENTS UNDER R-2013 WITH EFFECT FROM THE ACADEMIC YEAR 2013 – 2014 ONWARDS.

RESOLVED TO RATIFY the Curricula and Syllabi for the PG (FT / PT) degree programmes offered in University Departments under R-2013 with effect from the Academic year 2013 – 2014 onwards.

- 1. M.E. Internal Combustion Engineering**
- 2. M.E. Energy Engineering**
- 3. M.E. Computer Integrated Manufacturing**
- 4. M.E. Thermal Engineering (with specialization in Refrigeration and Air Conditioning Engineering)**

5. **M.E. Engineering Design**
6. **M.E. Aeronautical Engineering**
7. **M.E. Automobile Engineering**
8. **M.E. Industrial Engineering**
9. **M.E. Manufacturing Engineering**
10. **M.E. Mechatronics**
11. **M.E. Manufacturing System Management**
12. **M.E. Product Design and Development**
13. **M.E. Quality Engineering and Management**
14. **M.E. Computer Aided Design**
15. **M.E. Printing and Packaging Engineering**
16. **M.E. Aerospace Technology**
17. **M.E. Solar Energy**

FM 18.03 TO CONSIDER AND RATIFY THE CURRICULA AND SYLLABI FOR THE NEW PG (Part-Time) DEGREE PROGRAMME OFFERED IN UNIVERSITY DEPARTMENTS UNDER R-2013 WITH EFFECT FROM THE ACADEMIC YEAR 2013 – 2014 ONWARDS.

RESOLVED TO RATIFY the Curricula and Syllabi for the New PG (Part-Time) degree programme offered in University Departments under R-2013 with effect from the Academic year 2013 – 2014 onwards.

**M.E. Manufacturing Engineering (with specialization
in Green Manufacturing Engineering)**

Members from the industry enquired whether Green Certification was part of the above programme.

RESOLVED to explore the possibility of adding more elective relevant to standards and Green Certification.

FM 18.04 TO CONSIDER AND RATIFY AE 8351 SOLID MECHANICS OFFERED AS COMMON SUBJECT TO B.E. AERONAUTICAL ENGINEERING AND B.E. AUTOMOBILE ENGINEERING UNDER R-2012 IN UNIVERSITY DEPARTMENTS.

RESOLVED TO RATIFY AE 8351 Solid Mechanics offered as common subject to B.E. Aeronautical Engineering and B.E. Automobile Engineering under R-2012 in University Departments.

SOLID MECHANICS

FM 18.05 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 MECHANICAL ENGINEERING, 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 Mechanical Engineering, Anna University, Chennai.

1. **FM 9013 Flight Simulation for Combat Aircraft System**
2. **FM 9014 Fundamentals of Combustion**
3. **FM 9015 Biofuels as Energy Sources**
4. **FM 9016 Design, Fabrication and Testing Methods of
Microactuators**
5. **FM 9017 Nanofluids Heat Transfer**
6. **FM 9018 Practical Vibration Analysis and Diagnostics**

FM 18.06 TO CONSIDER AND RATIFY THE PRESCRIBED THEORY COURSES CD8201 COMPUTER AIDED TOOLS FOR M.E. COMPUTER AIDED DESIGN (FT/PT) AND PD8001 CREATIVITY IN DESIGN FOR M.E. PRODUCT DESIGN AND DEVELOPMENT (FT/PT) UNDER R-2013 UNIVERSITY DEPARTMENT THAT ARE REVISED.

RESOLVED TO RATIFY the prescribed Theory Courses CD8201 Computer Aided Tools for M.E. Computer Aided Design (FT/PT) and PD8001 Creativity in Design for M.E. Product Design and Development (FT/PT) under R-2013 University Department that are revised.

Revised Syllabus

II. ITEMS PERTAINING TO AFFILIATED INSTITUTIONS

FM 18.07 TO CONSIDER AND RATIFY THE CURRICULA AND SYLLABI OF III to X SEMESTERS FOR B.E. MECHANICAL ENGINEERING (SANDWICH) DEGREE PROGRAMME OFFERED IN AFFILIATED INSTITUTIONS UNDER R-2008.

RESOLVED TO RATIFY the Curricula and Syllabi of III to X semesters for B.E. Mechanical Engineering (Sandwich) degree programme offered in affiliated institutions under R-2008.

B.E. Mechanical Engineering (Sandwich)

FM 18.08 TO CONSIDER AND RATIFY THE CURRICULA AND SYLLABI FOR THE FOLLOWING UG PROGRAMMES OFFERED IN INSTITUTIONS AFFILIATED TO ANNA UNIVERSITY AFTER THE MERGER UNDER R-2008 BY ADOPTING THE CURRICULA AND SYLLABI FROM THE DIFFERENT ERSTWHILE ANNA UNIVERSITY OF TECHNOLOGY.

RESOLVED TO RATIFY the Curricula and Syllabi for the following UG programmes offered in Institutions Affiliated to Anna University after the merger under R-2008 by adopting the Curricula and Syllabi from the different erstwhile Anna University of Technology.

I Semester (Common to All branches)

1. **B.E. Material Science and Engineering (II – VIII)**
2. **B.E. Manufacturing Engineering (II – VIII)**
3. **B.E. Industrial Engg. and Management (II – VIII)**
4. **B.E. Mechatronics Engineering (II – VIII)**

5. B.E. Mechanical and Automation Engg (II – VIII)
6. B.E. Industrial Engineering (II – VIII)

FM 18.09 TO CONSIDER AND RATIFY THE CURRICULA AND SYLLABI FOR THE FOLLOWING PG PROGRAMMES OFFERED IN INSTITUTIONS AFFILIATED TO ANNA UNIVERSITY AFTER THE MERGER UNDER R-2009 BY ADOPTING THE CURRICULA AND SYLLABI FROM THE DIFFERENT ERSTWHILE ANNA UNIVERSITY OF TECHNOLOGY.

RESOLVED TO RATIFY the Curricula and Syllabi for the following PG programmes offered in institutions Affiliated to Anna University after the merger under R-2009 by adopting the Curricula and Syllabi from the different erstwhile Anna University of Technology.

1. M.E. Energy Engineering
2. M.E. Aeronautical Engineering
3. M.E. Industrial Engineering
4. M.E. Mechatronics
5. M.E. Production Engineering
6. M.E. Industrial Safety Engineering
7. M.E. Cryogenic Engineering

FM 18.10 TO CONSIDER AND RATIFY THE CURRICULA AND SYLLABI I TO VIII SEMESTERS FOR THE UG PROGRAMMES OFFERED IN AFFILIATED INSTITUTIONS UNDER R-2013 WITH EFFECT FROM THE ACADEMIC YEAR 2013 – 2014 ONWARDS.

RESOLVED TO RATIFY the Curricula and Syllabi I to VIII semesters for the UG programmes offered in Affiliated Institutions under R-2013 with effect from the Academic year 2013 – 2014 onwards.

1. B. E. Aeronautical Engineering
2. B. E. Automobile Engineering
3. B. E. Marine Engineering
4. B. E. Mechanical Engineering
5. B. E. Production Engineering
6. B. E. Material Science and Engineering
7. B. E. Manufacturing Engineering
8. B. E. Industrial Engineering and Management
9. B. E. Mechatronics Engineering
10. B. E. Mechanical and Automation Engineering
11. B. E. Industrial Engineering
12. B. E. Robotics and Automation
13. B. E. Mechanical Engineering (Sandwich) I to X

FM 18.11 TO CONSIDER AND RATIFY THE CURRICULA AND SYLLABI OF I TO VII FOR THE UG (PART-TIME) PROGRAMMES OFFERED IN AFFILIATED INSTITUTIONS UNDER R-2014 WITH EFFECT FROM THE ACADEMIC YEAR 2014 – 2015 ONWARDS.

RESOLVED TO RATIFY the Curricula and Syllabi of I to VII for the UG (Part-Time) programmes offered in Affiliated Institutions under R-2014 with effect from the Academic year 2014 – 2015 onwards.

B.E (Part-Time) Mechanical Engineering

FM 18.12 TO CONSIDER AND RATIFY THE NEW CURRICULA AND SYLLABI FOR THE PG (FT/PT) DEGREE PROGRAMMES OFFERED IN AFFILIATED INSTITUTIONS UNDER R-2013 WITH EFFECT FROM THE ACADEMIC YEAR 2013 – 2014 ONWARDS.

RESOLVED TO RATIFY the New Curricula and Syllabi for the PG (FT/PT) degree programmes offered in affiliated institutions under R-2013 with effect from the academic year 2013 – 2014 onwards.

1. M.E. CAD / CAM (FT / PT)
2. M.E. Computer Aided Design (FT / PT)
3. M.E. Computer Integrated Manufacturing (FT)
4. M.E. Engineering Design (FT / PT)
5. M.E. Internal Combustion Engineering (FT / PT)
6. M.E. Manufacturing Engineering (FT / PT)
7. M.E. Product Design and Development (FT / PT)
8. M.E. Thermal Engineering (FT / PT)
9. M.E. Energy Engineering (FT / PT)
10. M.E. Aeronautical Engineering (FT / PT)
11. M.E. Industrial Engineering (FT / PT)
12. M.E. Mechatronics (FT)
13. M.E. Industrial Safety Engineering (FT / PT)
14. M.E. Aerospace Technology (FT)

- Members enquired whether the Curricula & Syllabi of M.E. Industrial Safety Engineering can facilitate obtaining certification as safety inspectors. The Chairman agreed to explore possibility.

RESOLVED to explore the possibility of adding more elective relevant to safety standards.

- Wherever, applicable and possible the Elective list of the PG programmes may be modified such that the number of choices for one Elective may be 3, for two Electives it may be 4 and for three Electives it may be 8. This can be accommodated by shifting the electives between the groups. The Controller of Examinations agreed to the suggested modifications.

RESOLVED to carry out suggested modifications.

- **M.E. Energy Engineering – In the list of equipments for energy lab, the member requested for the components ‘gasifier / boiler’ to be listed without specification.**

RESOLVED to carry out suggested modifications.

FM 18.13 TO CONSIDER AND RATIFY THE PERMISSION GRANTED FOR THE SPECIAL ELECTIVE COURSES FOR Ph.D. / M.S. (BY RESEARCH) PROGRAMMES OFFERED IN THE AFFILIATED INSTITUTIONS UNDER THE FACULTY OF MECHANICAL ENGINEERING, ANNA UNIVERSITY, CHENNAI.

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

- 1. SME001 Solar Drying**
- 2. SME002 Welding Metallurgy**
- 3. SME003 Robust Design**

AGENDA FROM FACULTY OF ELECTRICAL ENGINEERING**I. ITEMS PERTAINING TO UNIVERSITY DEPARTMENTS**

FE 18.01 TO CONSIDER AND RATIFY THE CURRICULA & SYLLABI FOR I TO VII SEMESTERS OF B.E. / B.TECH. DEGREE PROGRAMMES (PART TIME) TO BE OFFERED UNDER REGULATIONS 2013 FOR THE UNIVERSITY DEPARTMENTS WITH EFFECT FROM THE ACADEMIC YEAR 2013 -2014.

RESOLVED TO RATIFY the Curricula & Syllabi for I to VII semesters of B.E. / B.Tech. degree programmes (Part Time) to be offered under Regulations 2013 for the University Departments with effect from the Academic year 2013 -2014.

- 1. B. E. (Part – Time) Electrical and Electronics Engineering**
- 2. B. E. (Part – Time) Electronics and Instrumentation Engg**

FE 18.02 TO CONSIDER AND RATIFY THE CURRICULA & SYLLABI FOR PG (FULL TIME / PART TIME) DEGREE PROGRAMMES OFFERED IN UNIVERSITY DEPARTMENTS UNDER R-2013 WITH EFFECT FROM THE ACADEMIC YEAR 2013 -2014.

RESOLVED TO RATIFY the Curricula & Syllabi for PG (Full Time / Part Time) degree programmes offered in University Departments under R-2013 with effect from the Academic year 2013 -2014.

- 1. M.E. Embedded System Technologies (FT & PT)**
- 2. M.E. Instrumentation Engineering (FULL TIME)**
- 3. M.E. Control and Instrumentation (FULL TIME)**
- 4. M.E. High Voltage Engineering (FULL TIME)**
- 5. M.E. Power Electronics and Drives (FT & PT)**
- 6. M.E. Power Engineering and Management (FULL TIME)**
- 7. M.E. Power System Engineering (FT & PT)**

FE 18.03 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 ELECTRICAL ENGINEERING, 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 Electrical Engineering, Anna University, Chennai.

1. FE9038 Design of Cable Fed Induction Motor Drive Systems – An Electromagnetic Approach
2. FE9039 Modeling and Analysis of Variables Speed Wind Energy Systems
3. FE9040 Power System Load Models, Identification & Application in Stability Studies
4. FE9041 Model Reduction for Control System Design
5. FE9042 Modeling and Simulation of Power Systems for Sub Synchronous Resonance
6. FE9043 Demand Side Management for Distribution System
7. FE9044 Power System Restoration Techniques
8. FE9045 Real Time Optimization
9. FE9046 Android Based Embedded System
10. FE9047 Advance Chemical Reactor Theory
11. FE9048 Polymeric MEMS Devices
12. FE9049 Electric Propulsion
13. FE9050 Nuclear Reactor Engineering
14. FE9051 Control and Protection of Microgrid

II. ITEMS PERTAINING TO AFFILIATED INSTITUTIONS

FE18.04 TO CONSIDER AND RATIFY THE CURRICULA AND SYLLABI FOR THE FOLLOWING PG PROGRAMMES OFFERED IN INSTITUTIONS AFFILIATED TO ANNA UNIVERSITY AFTER THE MERGER UNDER R-2009 BY ADOPTING THE CURRICULA AND SYLLABI FROM THE DIFFERENT ERSTWHILE ANNA UNIVERSITY OF TECHNOLOGY.

RESOLVED TO RATIFY the Curricula and Syllabi for the following PG programmes offered in institutions Affiliated to Anna University after the merger under R-2009 by adopting the Curricula and Syllabi from the different erstwhile Anna University of Technology.

1. **M.E. Embedded Systems**
2. **M.E. Electrical Drives and Embedded Control**
3. **M.E. Control and Instrumentation Engineering**
4. **M.E. High Voltage Engineering**
5. **M.E. Power Management**

FE 18.05 TO CONSIDER AND RATIFY THE CURRICULA & SYLLABI FOR I TO VIII SEMESTERS OF UG DEGREE PROGRAMMES (FULL TIME) OFFERED IN AFFILIATED INSTITUTIONS UNDER R-2013 WITH EFFECT FROM THE ACADEMIC YEAR 2013 -2014.

RESOLVED TO RATIFY the Curricula & Syllabi for I to VIII semesters of UG degree programmes (Full Time) offered in affiliated institutions under R-2013 with effect from the Academic year 2013 -2014.

1. **B.E. Electrical and Electronics Engineering**
2. **B.E. Electronics and Instrumentation Engineering**
3. **B.E. Instrumentation & Control Engineering**

The Members requested that the Theory and the corresponding Lab course may be offered in the same semester instead of consecutive semesters. However, there was divided opinion among the members.

RESOLVED that this issue can be decided during the next Board of Studies.

FE 18.06 TO CONSIDER AND RATIFY THE CURRICULA & SYLLABI FOR I TO VII SEMESTERS CURRICULUM AND SYLLABUS OF UG DEGREE PROGRAMMES (PART TIME) TO BE OFFERED UNDER REGULATIONS 2014 FOR THE AFFILIATED INSTITUTIONS WITH EFFECT FROM THE ACADEMIC YEAR 2013 -2014.

RESOLVED TO RATIFY the Curricula & Syllabi for I to VII semesters curriculum and syllabus of UG degree programmes (Part Time) to be offered under Regulations 2014 for the Affiliated Institutions with effect from the academic year 2013 -2014.

B.E. (Part-Time) Electrical and Electronics Engineering

FE 18.07 TO CONSIDER AND RATIFY THE CURRICULA & SYLLABI FOR THE PG (FT / PT) DEGREE PROGRAMMES OFFERED IN AFFILIATED INSTITUTIONS UNDER R-2013 WITH EFFECT FROM THE ACADEMIC YEAR 2013 -2014.

RESOLVED TO RATIFY the Curricula & Syllabi for the PG (FT / PT) degree programmes offered in Affiliated Institutions under R-2013 with effect from the Academic year 2013 -2014.

- 1. M.E. Control and Instrumentation Engineering (FT / PT)**
- 2. M.E. Electrical Drives and Embedded Control (FT / PT)**
- 3. M.E. Embedded System Technologies (FT / PT)**
- 4. M.E. Power Electronics and Drives (FT / PT)**
- 5. M.E. Power System Engineering (FT / PT)**
- 6. M.E. Instrumentation Engineering (FT)**

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

I. ITEMS PERTAINING TO UNIVERSITY DEPARTMENTS

FI 18.01 TO CONSIDER AND RATIFY THE NEW CURRICULA AND SYLLABI FOR THE UG (PART-TIME) PROGRAMMES OFFERED IN UNIVERSITY DEPARTMENTS UNDER R-2013 WITH EFFECT FROM THE ACADEMIC YEAR 2013 – 2014 ONWARDS.

RESOLVED TO RATIFY the new Curricula and Syllabi for the UG (Part-Time) programmes offered in University Departments under R-2013 with effect from the Academic year 2013 – 2014 onwards.

1. **B.E. (Part –Time) Computer Science and Engineering**
2. **B.E. (Part–Time) Electronics and Communication Engg.**
3. **B.Tech. (Part –Time) Information Technology**

FI 18.02 TO CONSIDER AND RATIFY THE NEW CURRICULA AND SYLLABI FOR THE PG (FT / PT) DEGREE PROGRAMMES OFFERED IN UNIVERSITY DEPARTMENTS UNDER R-2013 WITH EFFECT FROM THE ACADEMIC YEAR 2013 – 2014 ONWARDS.

RESOLVED TO RATIFY the new Curricula and Syllabi for the PG (FT / PT) degree programmes offered in University Departments under R-2013 with effect from the Academic year 2013 – 2014 onwards.

1. **M.E. Computer Science and Engineering**
2. **M. E. Software Engineering**
3. **M. E. Communication Systems**
4. **M.E. VLSI Design**
5. **M.E. Medical Electronics**
6. **M.E. Multimedia Technology**
7. **M.E. Bio Medical Engineering**

8. M.E. Communication and Networking
9. M.E. Avionics
10. M.E. Applied Electronics
11. M.Tech. Information Technology
12. M.Tech. Laser and Electro optical Engineering
13. M.E. Systems Engineering and Operations Research
14. Master of Computer Application (M.C.A.)

Members suggested that the syllabus for Cloud Computing in M.Tech. Information Technology can be used in M.E. Computer Science and Engineering also. The matter has to be discussed with ACOE, since the course is already offered in 2013-2014.

RESOLVED to take up the matter with ACOE.

FI 18.03 TO CONSIDER AND RATIFY THE CURRICULA AND SYLLABI I – VI SEMESTER FOR MCA PROGRAMMES TO BE OFFERED BY THE DISTANCE EDUCATION, ANNA UNIVERSITY, CHENNAI WITH EFFECT FROM THE ACADEMIC YEAR 2013 -2014.

RESOLVED TO RATIFY the Curricula and Syllabi I – VI semester for MCA programmes to be offered by the Distance Education, Anna University, Chennai with effect from the Academic year 2013 -2014.

MCA - Distance mode

FI 18.04 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, 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 Information and Communication Engineering, Anna University, Chennai.

1. FI 9054 Non Linear Signal Processing
2. FI 9055 Applied and Clinical Thyroid
3. FI 9056 Renal Disease Specific Imaging Modalities
4. FI 9057 Digital Logic Circuits Design using Carbon Nano Tube Field Effect Transistor (CNTFET)
5. FI 9058 Quantum Cellular Automata – Digital Logic Circuits Design
6. FI 9059 Digital and Analog PLL Design
7. FI 9060 Reconfigurable and Wearable Antennas
8. FI 9061 Carbon Nanotubes
9. FI 9062 Anatomy, Physiology and Clinical Thyroid
10. FI 9063 Wireless Sensor Networks and its Routing Protocols
11. FI 9064 Rough Set Theory and Applications
12. FI 9065 Sensor Networks for Marine Applications
13. FI 9066 Collaborative E Learning
14. FI 9067 Chemical Text Mining
15. FI 9068 Algorithms for Graphics and Combinatorial Problems
16. FI 9069 Text Mining
17. FI 9070 Heterogeneous Computing
18. FI 9071 Opto Electronic Theory
19. FI 9072 Cloud Security and Privacy
20. FI 9073 Cloud Infrastructure and Virtualization
21. FI 9074 Compressed Sensing
22. FI 9075 Information Security
23. FI 9076 Big Data
24. FI 9077 Nano Sensor Communication Networks
25. FI 9078 Software Risk Management
26. FI 9079 Technological Advancements in Text-to-Speech Synthesis

27. FI 9080 Broadband Microstrip Antennas
28. FI 9081 Wireless Communication Systems
29. FI 9082 Cyber Security
30. FI 9083 Advanced Ontology
31. FI 9084 Femtocells
32. FI 9085 Chip Design Validation
33. FI 9086 Biomechanics of Human Movement and Wearable Robots
34. FI 9087 Fundamentals of Bibliometrics Research
35. FI 9088 Ultra Wideband Antennas
36. FI 9089 Frequency Selective Surfaces

II. ITEMS PERTAINING TO AFFILIATED INSTITUTIONS

FI 18.05 TO CONSIDER AND RATIFY THE CURRICULA AND SYLLABI FOR THE FOLLOWING UG PROGRAMMES OFFERED IN INSTITUTIONS AFFILIATED TO ANNA UNIVERSITY AFTER THE MERGER UNDER R-2008 BY ADOPTING THE CURRICULA AND SYLLABI FROM THE DIFFERENT ERSTWHILE UNIVERSITY.

RESOLVED TO RATIFY the Curricula and Syllabi for the following UG programmes offered in institutions Affiliated to Anna University after the merger under R-2008 by adopting the Curricula and Syllabi from the different erstwhile University.

I Semester (Common to All branches)

B. E. Medical Electronics (II – VIII)

FI 18.06 TO CONSIDER AND RATIFY THE CURRICULA AND SYLLABI FOR THE FOLLOWING PG PROGRAMMES OFFERED IN INSTITUTIONS AFFILIATED TO ANNA UNIVERSITY AFTER THE MERGER UNDER R-2009 BY ADOPTING THE CURRICULA AND SYLLABI FROM THE DIFFERENT ERSTWHILE UNIVERSITY.

RESOLVED TO RATIFY the Curricula and Syllabi for the following PG programmes offered in institutions Affiliated to Anna University after the merger under R-2009 by adopting the Curricula and Syllabi from the different erstwhile University.

1. **M.E. Electronics and Communication Engineering**
2. **M.E. Optical Communication**
3. **M.E. Avionics**
4. **M.E. Pervasive Computing Technologies**
5. **M. Tech. Main Frame Technology**
6. **M. Tech. Multimedia Technologies**
7. **M.E. Digital Communication and Networking**
8. **M.E. Medical Electronics**
9. **M.E. Computer Networks**
10. **M.E. Computer Networking and Engineering**
11. **M.E. Networking and Internet Engineering**

FI 18.07 TO CONSIDER AND RATIFY THE CURRICULA AND SYLLABI I – IV SEMESTERS FOR THE NEW PG DEGREE PROGRAMMES OFFERED IN AFFILIATED INSTITUTIONS UNDER REGULATIONS 2009.

RESOLVED TO RATIFY the Curricula and Syllabi I – IV semesters for the new PG degree programmes offered in Affiliated Institutions under Regulations 2009.

1. **M.E. Digital Electronics and Communication Engg**
2. **M.E. Digital Signal Processing**
3. **M.E. VLSI and Embedded System**
4. **M.E. Biomedical Engineering**
5. **M.E. Communication and Networking**
6. **M.Tech. Information and Communication Technology**

FI 18.08 TO CONSIDER AND RATIFY THE CURRICULA AND SYLLABI I TO VIII SEMESTERS FOR THE UG PROGRAMMES OFFERED IN AFFILIATED INSTITUTIONS UNDER R-2013 WITH EFFECT FROM THE ACADEMIC YEAR 2013 – 2014 ONWARDS.

RESOLVED TO RATIFY the Curricula and Syllabi I to VIII semesters for the UG programmes offered in Affiliated Institutions under R-2013 with effect from the Academic year 2013 – 2014 onwards.

- 1. B.E. Computer Science and Engineering**
- 2. B.E. Electronics and Communication Engineering**
- 3. B. Tech. Information Technology**
- 4. B.E. Biomedical Engineering**
- 5. B.E. Medical Electronics**
- 6. B.E. Computer and Communication Engineering**

- **Members suggested that the book by M. Rajaram and P. Uma Maheswari, “Computer Programming with C”, Pearson, 2014 may be added as a book for I Semester Computer Programming.**

RESOLVED to take up the issue in the next Board of Studies after getting the approval from Syllabus Sub Committee.

- **Members suggested that the number of Hardware equipments for Digital Signal Processing & Microprocessor Lab may be decreased. However, the Chairman explained that after discussion the Board of Studies had decided that individual students should be provided with separate equipment.**

In addition the member enquired about the need to have large number of user licenses. The Chairman explained that Open Source Software could be used wherever it is applicable.

FI 18.09 TO CONSIDER AND RATIFY THE NEW CURRICULA AND SYLLABI FOR THE UG (PART-TIME) PROGRAMMES OFFERED IN AFFILIATED INSTITUTIONS UNDER R-2014 WITH EFFECT FROM THE ACADEMIC YEAR 2014 – 2015 ONWARDS.

RESOLVED TO RATIFY the new Curricula and Syllabi for the UG (Part-Time) programmes offered in Affiliated Institutions under R-2014 with effect from the Academic year 2014 – 2015 onwards.

- 1. B.E. (Part – Time) Computer Science and Engineering**
- 2. B.E. (Part – Time) Electronics and Communication Engg**

FI 18.10 TO CONSIDER AND RATIFY THE NEW CURRICULA AND SYLLABI FOR THE PG (FT/PT) DEGREE PROGRAMMES OFFERED IN AFFILIATED INSTITUTIONS UNDER R-2013 WITH EFFECT FROM THE ACADEMIC YEAR 2013 – 2014 ONWARDS.

RESOLVED TO RATIFY the new Curricula and Syllabi for the PG (FT/PT) degree programmes offered in Affiliated Institutions under R-2013 with effect from the Academic year 2013 – 2014 onwards.

- 1. M.E. Computer Science and Engineering (FT / PT)**
- 2. M.E. Software Engineering (FT / PT)**
- 3. M. Tech. Information Technology (FT / PT)**
- 4. M.E. Multimedia Technology (FT)**
- 5. M.E. Computer Science and Engineering
(Specialization in Networks) (FT / PT)**
- 6. M.E. Mobile and Pervasive Computing (FT)**
- 7. Master of Computer Applications (M.C.A.) (FT)**
- 8. M.E. Applied Electronics (FT / PT)**
- 9. M.E. Communication Systems (FT / PT)**
- 10. M.E. Bio-Medical Engineering (FT)**
- 11. M.E. Medical Electronics (FT)**
- 12. M.E. Optical Communication (FT)**
- 13. M.E. VLSI Design (FT / PT)**

14. M.E. Communication and Networking (FT)
15. M.E. Electronics and Communication Engg (FT)
16. M.E. Digital Signal Processing (FT)
17. M.E. Biometrics and Cyber Security (FT)

FI 18.11 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.

1. **SIC001 Mathematical and Simulation Approach for Image Processing Techniques**
2. **SIC002 Localization in Wireless Sensor Networks**

AGENDA FROM FACULTY OF TECHNOLOGY**I. ITEMS PERTAINING TO UNIVERSITY DEPARTMENTS**

FT 18.01 TO CONSIDER AND RATIFY THE NEW CURRICULA AND SYLLABI FOR THE UG (PART-TIME) PROGRAMMES OFFERED IN UNIVERSITY DEPARTMENTS UNDER R-2013 WITH EFFECT FROM THE ACADEMIC YEAR 2013 – 2014 ONWARDS.

RESOLVED TO RATIFY the new Curricula and Syllabi for the UG (Part-Time) programmes offered in University Departments under R-2013 with effect from the Academic year 2013 – 2014 onwards.

1. **B.Tech. (Part-Time) Chemical Engineering**
2. **B.Tech. (Part-Time) Leather Technology**
3. **B.Tech. (Part-Time) Textile Technology**

FT 18.02 TO CONSIDER AND RATIFY THE CURRICULA AND SYLLABI FOR THE PG (FT / PT) DEGREE PROGRAMMES OFFERED IN UNIVERSITY DEPARTMENTS UNDER R-2013 WITH EFFECT FROM THE ACADEMIC YEAR 2013 – 2014 ONWARDS.

RESOLVED TO RATIFY the Curricula and Syllabi for the PG (FT / PT) degree programmes offered in University Departments under R-2013 with effect from the Academic year 2013 – 2014 onwards.

1. **M.Tech. Chemical Engineering**
2. **M. Tech. Textile Technology**
3. **M.Tech. Ceramic Technology**
4. **M.Tech. Petroleum Refining & Petro-Chemicals**
5. **M.Tech. Polymer Science and Engineering**
6. **M.Tech. Environmental Science & Tech.**
7. **M.Tech. Biotechnology**
8. **M.Tech. Bio Pharmaceutical Technology**
9. **M.Tech. Leather Technology**

10. M.Tech. Footwear Science and Engineering
11. M.Tech. Nano Science and Technology
12. M.Tech. Food Technology
13. M.Tech. Rubber Technology

A member suggested the introduction of a new PG programme “Technical Textiles” initially in University Department and extended to Affiliated Institutions subsequently. The Chairman explained that many of the courses in M. Tech. Textile Technology is based on Technical Textiles. However, the idea of introducing a PG programme on Technical Textile can be explored.

FT 18.03 TO CONSIDER AND RATIFY THE CURRICULA AND SYLLABI FOR THE NEW FULL-TIME DEGREE PROGRAMMES OFFERED IN UNIVERSITY DEPARTMENTS WITH EFFECT FROM THE ACADEMIC YEAR 2013 – 2014 ONWARDS.

RESOLVED TO RATIFY the Curricula and Syllabi for the new Full-Time degree programmes offered in University Departments with effect from the Academic year 2013 – 2014 onwards.

1. UG Programme – B. Tech. Petroleum Engineering and Technology (R-2012)
2. PG Programme – M. Tech. Industrial Safety and Hazards Management (R-2013)

FT 18.04 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 TECHNOLOGY, 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 Technology, Anna University, Chennai.

FT 9012 Molecular Biology Relevant for Leather Technology

II. ITEMS PERTAINING TO AFFILIATED INSTITUTIONS

FT 18.05 TO CONSIDER AND RATIFY THE CURRICULA AND SYLLABI FOR THE FOLLOWING UG PROGRAMMES OFFERED IN INSTITUTIONS AFFILIATED TO ANNA UNIVERSITY AFTER THE MERGER UNDER R-2008 BY ADOPTING THE CURRICULA AND SYLLABI FROM THE DIFFERENT ERSTWHILE UNIVERSITY.

RESOLVED TO RATIFY the Curricula and Syllabi for the following UG programmes offered in institutions Affiliated to Anna University after the merger under R-2008 by adopting the Curricula and Syllabi from the different erstwhile University.

I Semester (Common to All branches)

1. **B. Tech. Fashion Technology (II – VIII)**
2. **B. Tech. Textile Chemistry (II – VIII)**
3. **B. Tech. Chemical & Electrochemical Engg (II – VIII)**
4. **B. Tech. Petrochemical Technology (II – VIII)**
5. **B. Tech. Food Technology (II – VIII)**
6. **B. Tech. Pharmaceutical Technology (II – VIII)**
7. **B. Tech. Petro Chemical Engineering (II – VIII)**

FT 18.06 TO CONSIDER AND RATIFY THE CURRICULA AND SYLLABI FOR THE FOLLOWING PG PROGRAMMES OFFERED IN INSTITUTIONS AFFILIATED TO ANNA UNIVERSITY AFTER THE MERGER UNDER R-2009 BY ADOPTING THE CURRICULA AND SYLLABI FROM THE DIFFERENT ERSTWHILE UNIVERSITY.

RESOLVED TO RATIFY the Curricula and Syllabi for the following PG programmes offered in institutions Affiliated to Anna University after the merger under R-2009 by adopting the Curricula and Syllabi from the different erstwhile University.

1. **M. Tech. Textile Technology (Textile Chemistry)**
2. **M. Tech. Nano Technology**
3. **M. Tech. Nano Science and Technology**
4. **M. Tech. Energy Conservation and Management**
5. **M. Tech. Polymer Technology**
6. **M. Tech. Chemical Engineering**

FT 18.07 TO CONSIDER AND RATIFY THE CURRICULA AND SYLLABI I TO VIII SEMESTERS FOR THE UG PROGRAMMES OFFERED IN AFFILIATED INSTITUTIONS UNDER R-2013 WITH EFFECT FROM THE ACADEMIC YEAR 2013 – 2014 ONWARDS.

RESOLVED TO RATIFY the Curricula and Syllabi I to VIII semesters for the UG programmes offered in Affiliated Institutions under R-2013 with effect from the Academic year 2013 – 2014 onwards.

1. **B.Tech. Chemical Engineering**
2. **B.Tech. Biotechnology**
3. **B.Tech. Polymer Technology**
4. **B.Tech. Plastic Technology**
5. **B.Tech. Textile Technology**
6. **B.Tech. Fashion Technology**
7. **B.Tech. Petroleum Engineering**
8. **B.Tech. Textile Chemistry**
9. **B.Tech. Chemical & Electrochemical Engineering**
10. **B.Tech. Petrochemical Technology**
11. **B.Tech. Pharmaceutical Technology**
12. **B. E. Petro Chemical Engineering**

- The Members suggested that in the course EE6368 Electrical and Electronics Engineering Lab, 4 more experiments may be added.

RESOLVED to take up the matter in the next Board of Studies.

- The Members suggested that the syllabus of CH6312 Physical Chemistry Lab may be modified.

RESOLVED to take up the matter in the next Board of Studies.

FT 18.08 TO CONSIDER AND RATIFY THE NEW CURRICULA AND SYLLABI FOR THE PG (FT/PT) DEGREE PROGRAMMES OFFERED IN AFFILIATED INSTITUTIONS UNDER R-2013 WITH EFFECT FROM THE ACADEMIC YEAR 2013 – 2014 ONWARDS.

RESOLVED TO RATIFY the new Curricula and Syllabi for the PG (FT/PT) degree programmes offered in Affiliated Institutions under R-2013 with effect from the Academic year 2013 – 2014 onwards.

1. M. Tech. Chemical Engineering (FT)
2. M. Tech. Biotechnology (FT)
3. M. Tech. Textile Technology (FT)
4. M. Tech. Plastic Technology (FT)
5. M. Tech. Nano Science and Technology (FT)
6. M. Tech. Polymer Science and Engineering (FT)
7. M. Tech. Petroleum Refining and Petrochemicals (FT)
8. M.Tech. Textile Technology (With specialization in Textile Chemistry) (Full - Time / Part - Time)
9. M. Tech. Environmental Science & Technology (FT)
10. M. Tech. Bio Pharmaceutical Technology (FT)

FT 18.09 TO CONSIDER AND APPROVE CURRICULUM AND SYLLABI FOR I SEMESTER IN R-2013 FOR THE NEW UG DEGREE PROGRAMME B. TECH. FOOD TECHNOLOGY OFFERED IN AFFILIATED INSTITUTIONS UNDER FACULTY OF TECHNOLOGY WITH EFFECT FROM THE ACADEMIC YEAR 2014 – 2015 ONWARDS.

The I Semester Curriculum and Syllabus common for all B.E. / B.Tech. Programmes offered in Affiliated Institutions (except Marine Engineering) under R-2013, may be adopted for I Semester B.Tech. (Food Technology) for the Academic year 2014 – 2015. Further, the Curriculum and Syllabus of II to VIII Semesters of B.Tech. (Food Technology) will be provided after necessary academic process.

RESOLVED TO APPROVE Curriculum and Syllabi for I semester in R-2013 for the new UG degree programme B. Tech. Food Technology offered in Affiliated Institutions under Faculty of Technology with effect from the Academic year 2014 – 2015 onwards.

AGENDA FROM FACULTY OF ARCHITECTURE AND PLANNING**I. ITEMS PERTAINING TO UNIVERSITY DEPARTMENTS**

FA 18.01 TO CONSIDER AND RATIFY THE MODIFICATION IN THE SYLLABUS FOR B. ARCH. DEGREE PROGRAMME OFFERED IN UNIVERSITY DEPARTMENTS UNDER R-2012.

RESOLVED TO RATIFY the modification in the syllabus for B. Arch. degree programme offered in University Departments under R-2012.

ARCHITECTURAL DRAWING I

FA 18.02 TO CONSIDER AND RATIFY THE NEW CURRICULA AND SYLLABI FOR THE FOLLOWING PG (FT / PT) DEGREE PROGRAMMES OFFERED IN UNIVERSITY DEPARTMENTS UNDER R-2013 WITH EFFECT FROM THE ACADEMIC YEAR 2013 – 2014 ONWARDS.

RESOLVED TO RATIFY the new Curricula and Syllabi for the following PG (FT / PT) degree programmes offered in University Departments under R-2013 with effect from the Academic year 2013 – 2014 onwards.

1. **M.Arch.**
2. **M.Arch. Digital Architecture**
3. **M.Arch. Landscape Architecture**
4. **M.Plan**

FA 18.03 TO CONSIDER AND RATIFY THE SCHEME OF EXAMINATION UNDER R-2012 FOR B.ARCH. (I TO X SEMESTERS) OFFERED UNDER THE FACULTY OF ARCHITECTURE AND PLANNING IN UNIVERSITY DEPARTMENTS OF ANNA UNIVERSITY, CHENNAI.

RESOLVED TO RATIFY the Scheme of Examination under R-2012 for B. Arch. (I to X semesters) offered under the Faculty of Architecture and Planning in University Departments of Anna University, Chennai.

B. Arch. - Scheme of Examination (I to X semesters)

FA 18.04 TO CONSIDER AND RATIFY THE SCHEME OF EXAMINATION UNDER R-2013 FOR M.ARCH. PROGRAMMES (I TO IV SEMESTERS) 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 M. Arch. programmes (I to IV semesters) offered under the Faculty of Architecture and Planning in University Departments of Anna University, Chennai.

M. Arch. - Scheme of Examination (I to IV semesters)

M. Arch. (Digital Architecture) - Scheme of Examination (I To IV semesters)

M. Arch. (Landscape Architecture) - Scheme of Examination (I to IV sem)

FA 18.05 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 ARCHITECTURE AND PLANNING, 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 Architecture and Planning, Anna University, Chennai.

FA1918 Alternative Building Materials and Technologies

FA18.06 TO CONSIDER AND RATIFY THE STARTING OF M. PLAN (PART TIME: DAY TIME) OFFERED IN UNIVERSITY DEPARTMENTS UNDER FACULTY OF ARCHITECTURE AND PLANNING IN R - 2013 WITH EFFECT FROM THE ACADEMIC YEAR 2014 – 2015 ONWARDS, BY ADOPTING THE M. PLAN (FULL TIME).

RESOLVED TO RATIFY the starting of M. Plan (Part Time: Day Time) offered in University Departments under Faculty of Architecture and Planning in R - 2013 with effect from the Academic year 2014 – 2015 onwards, by adopting the M. Plan (Full Time).

II. ITEMS PERTAINING TO AFFILIATED INSTITUTIONS

FA 18.07 TO CONSIDER AND RATIFY THE CURRICULA AND SYLLABI FOR THE M.ARCH. ENVIRONMENTAL ARCHITECTURE (REGULAR / FLEXIBLE MODE) DEGREE PROGRAMMES OFFERED IN AFFILIATED INSTITUTIONS UNDER REGULATIONS 2009.

RESOLVED TO RATIFY the Curricula and Syllabi for the M.Arch. Environmental Architecture (Regular/Flexible Mode) degree programmes offered in Affiliated Institutions under Regulations 2009.

1. **M. Arch. (Environmental Architecture) Regular**
2. **M. Arch. (Environmental Architecture) Flexible mode**

FA 18.08 TO CONSIDER AND RATIFY THE CURRICULA AND SYLLABI OF I TO X SEMESTERS FOR THE B. ARCH. PROGRAMMES OFFERED IN AFFILIATED INSTITUTIONS UNDER R-2013 WITH EFFECT FROM THE ACADEMIC YEAR 2013 – 2014 ONWARDS.

RESOLVED TO RATIFY the Curricula and Syllabi of I to X semesters for the B. Arch. programmes offered in Affiliated Institutions under R-2013 with effect from the Academic year 2013 – 2014 onwards.

B. Arch. – Curricula & Syllabi

FA 18.09 TO CONSIDER AND RATIFY THE NEW CURRICULA AND SYLLABI FOR THE M.ARCH. (FT / PT) DEGREE PROGRAMMES OFFERED IN AFFILIATED INSTITUTIONS UNDER REGULATIONS 2013 WITH EFFECT FROM THE ACADEMIC YEAR 2013 – 2014 ONWARDS.

RESOLVED TO RATIFY the new Curricula and Syllabi for the M.Arch. (FT / PT) degree programmes offered in affiliated institutions under Regulations 2013 with effect from the academic year 2013 – 2014 onwards.

1. **M. Arch.**
2. **M. Arch.(RED)**
3. **M. Arch. (Env. Arch) (FT / PT)**

FA 18.10 TO CONSIDER AND RATIFY THE SCHEME OF EXAMINATION UNDER R-2013 FOR B. ARCH. (I TO X SEMESTERS) AND M.ARCH. (FT / PT) OFFERED UNDER THE FACULTY OF ARCHITECTURE AND PLANNING IN COLLEGES UNDER AFFILIATION TO ANNA UNIVERSITY, CHENNAI.

RESOLVED TO RATIFY the Scheme of Examination under R-2013 for B. Arch. (I to X semesters) and M. Arch. (FT / PT) offered under the Faculty of Architecture and Planning in colleges under Affiliation to Anna University, Chennai.

B. Arch. - Scheme of Examination (I to X semesters) – Affiliated Institutions

M. Arch. - Scheme of Examination (I to IV semesters) – Affiliated Institutions

M. Arch. (RED) - Scheme of Examination (I to IV semesters) – Affiliated Institutions

AGENDA FROM FACULTY OF SCIENCE AND HUMANITIES**I. ITEMS PERTAINING TO UNIVERSITY DEPARTMENTS**

FS 18.01 TO CONSIDER AND RATIFY THE NEW CURRICULA AND SYLLABI FOR THE 2-YEAR M.Sc DEGREE PROGRAMMES OFFERED IN UNIVERSITY DEPARTMENTS UNDER R-2013 WITH EFFECT FROM THE ACADEMIC YEAR 2013 – 2014 ONWARDS.

RESOLVED TO RATIFY the new Curricula and Syllabi for the 2-year M.Sc degree programmes offered in University Departments under R-2013 with effect from the Academic year 2013 – 2014 onwards.

1. **M.Sc. Applied Mathematics**
2. **M.Sc. Applied Chemistry**
3. **M.Sc. Materials Science**
4. **M.Sc. Applied Geology**
5. **M.Sc. Medical Physics**
6. **M.Sc. Electronic Media**
7. **M.Sc. Science and Technology Communication**
8. **M.Sc. Environmental Science**
9. **M.Sc. Computational Biology**

FS 18.02 TO CONSIDER AND RATIFY THE NEW CURRICULA AND SYLLABI FOR THE M.PHIL DEGREE PROGRAMMES OFFERED IN UNIVERSITY DEPARTMENTS UNDER R-2013 WITH EFFECT FROM THE ACADEMIC YEAR 2013 – 2014 ONWARDS.

RESOLVED TO RATIFY the new Curricula and Syllabi for the M.Phil degree programmes offered in University Departments under R-2013 with effect from the Academic year 2013 – 2014 onwards.

1. **M.Phil. (English)**
2. **M.Phil. (Mathematics)**

3. M.Phil. (Physics)
4. M.Phil. (Chemistry)
5. M.Phil. (Geology)
6. M.Phil. (Crystal Science)

FS 18.03 TO CONSIDER AND RATIFY THE SYLLABI FOR THE FOLLOWING COURSES OF B.E. / B.TECH. (PART-TIME MODE) PROGRAMMES OF ALL BRANCHES OFFERED IN THE UNIVERSITY DEPARTMENTS UNDER REGULATIONS 2013.

RESOLVED TO RATIFY the Syllabi for the following courses of B.E. / B.Tech. (Part-Time Mode) programmes of all branches offered in the University Departments under Regulations 2013.

1. **Mathematics** - Syllabus
2. **Physics** - Syllabus
3. **Chemistry** - Syllabus

FS 18.04 TO CONSIDER AND RATIFY THE REGULATIONS, CURRICULA & SYLLABI FOR THE M.Sc (CS) and M.Sc (CS-FOSS) DEGREE PROGRAMMES TO BE OFFERED BY THE CENTRE FOR DISTANCE EDUCATION, ANNA UNIVERSITY, CHENNAI WITH EFFECT FROM THE ACADEMIC YEAR 2013 -2014 ONWARDS.

RESOLVED TO RATIFY the Regulations, Curricula & Syllabi for the M.Sc (CS) and M.Sc (CS-FOSS) degree programmes to be offered by the Centre for Distance Education, Anna University, Chennai with effect from the Academic Year 2013 -2014 onwards.

1. M.Sc. Computer Science - Distance Education
2. M.Sc. (CS-FOSS) - Distance Education

FS 18.05 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 SCIENCE AND HUMANITIES, 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 Science and Humanities, Anna University, Chennai.

FS 9012 Optical Phase Conjugation

FS 18.06 TO CONSIDER AND APPROVE THE PROPOSED ELIGIBILITY CRITERIA FOR M.SC. (ELECTRONIC MEDIA) (FIVE YEAR INTEGRATED) DEGREE PROGRAMME OFFERED UNDER THE DEPARTMENT OF MEDIA SCIENCES, ANNA UNIVERSITY, WITH EFFECT FROM THE ACADEMIC YEAR 2014-2015 ONWARDS.

RESOLVED TO APPROVE the proposed Eligibility Criteria for M.SC. (Electronic Media) (Five Year Integrated) degree programme offered under the Department of Media Sciences, Anna University, with effect from the Academic Year 2014-2015 onwards.

- **A pass in H.Sc. (Academic) or equivalent in the first appearance itself, with Mathematics, Physics and Chemistry as three of the four subjects of study prescribed under Part III with minimum eligibility marks.**

II. ITEMS PERTAINING TO AFFILIATED INSTITUTIONS

FS 18.07 TO CONSIDER AND RATIFY THE SYLLABI FOR THE FOLLOWING COMMON COURSES OF THE B.E. / B.TECH. PROGRAMMES OF ALL BRANCHES OFFERED IN THE AFFILIATED INSTITUTIONS UNDER REGULATIONS 2013.

RESOLOVED TO RATIFY the Syllabi for the Following Common Courses of the B.E. / B.TECH. programmes of all branches offered in the Affiliated Institutions under Regulations 2013.

- **English Language (5 Courses)**
 1. **Technical English - I**
 2. **Technical English - II**
 3. **Communication and Soft Skills (Laboratory based)**
 4. **Communication Skills – Laboratory Based**
 5. **Employability Skills**
- **Mathematics (11 Courses)**
 1. **Mathematics - I**
 2. **Mathematics - II**
 3. **Probability and Queuing Theory**
 4. **Probability and Random Processes**
 5. **Probability and Statistics**
 6. **Discrete Mathematics**
 7. **Statistics and Numerical Methods**
 8. **Numerical Methods**
 9. **Transforms and Partial Differential Equations**
 10. **Mathematics for Marine Engineering I & II**
 11. **Algebra and Number Theory**
- **Engineering Physics - I**
- **Engineering Physics - II**
- **Engineering Chemistry - I**
- **Engineering Chemistry - II**
- **Physics and Chemistry Laboratory I**
- **Physics and Chemistry Laboratory II**
- **Environmental Science & Engineering**
- **Optical Fibre Sensors in Biomedical Applications**
- **Medical Physics**

The Commissioner DOTE suggested that Technical English - I & Technical English - II may include the Reading of current news paper for developing Reading skills and evaluation should be done accordingly.

RESOLVED to take up the issue in the next Board of Studies.

FS 18.08 TO CONSIDER AND RATIFY THE SYLLABI FOR THE FOLLOWING COMMON COURSES OF I & II SEMESTERS OF B.E. / B.TECH. (PART-TIME MODE) PROGRAMMES OF ALL BRANCHES OFFERED IN THE AFFILIATED INSTITUTIONS UNDER REGULATIONS 2014 WITH EFFECT FROM 2014-2015 ONWARDS.

RESOLVED TO RATIFY the Syllabi for the following Common Courses of I & II Semesters of B.E. / B.Tech. (Part-Time Mode) Programmes of all branches offered in the Affiliated Institutions under Regulations 2014 with effect from 2014-2015 onwards.

1. **Applied Mathematics (I Semester)**
2. **Transforms and Partial Differential Equations (II Sem)**
3. **Applied Physics (I Semester)**
4. **Applied Chemistry (I Semester)**

FS 18.09 TO CONSIDER AND RATIFY THE REGULATIONS 2010 FOR B.Sc. / BCA DEGREE PROGRAMMES OFFERED IN AFFILIATED INSTITUTIONS WITH EFFECT FROM THE ACADEMIC YEAR 2011 – 2012 ONWARDS.

RESOLVED TO RATIFY the Regulations 2010 for B.Sc. / BCA degree programmes offered in Affiliated Institutions with effect from the Academic year 2011 – 2012 onwards.

B.Sc. / B.C.A - REGULATIONS 2010

FS 18.10 TO CONSIDER AND RATIFY THE NEW REGULATIONS 2010 FOR 2-YEAR M.Sc DEGREE PROGRAMME OFFERED IN AFFILIATED INSTITUTIONS WITH EFFECT FROM THE ACADEMIC YEAR 2011 – 2012 ONWARDS.

RESOLVED TO RATIFY the new Regulations 2010 for 2-year M.Sc degree programme offered in Affiliated Institutions with effect from the Academic year 2011 – 2012 onwards.

M.Sc. (2 year) - REGULATIONS 2010

FS 18.11 TO CONSIDER AND RATIFY THE NEW REGULATIONS 2010 FOR 5-YEAR M. Sc DEGREE PROGRAMME OFFERED IN AFFILIATED INSTITUTIONS WITH EFFECT FROM THE ACADEMIC YEAR 2011 – 2012 ONWARDS.

RESOLVED TO RATIFY the new Regulations 2010 for 5-year M. Sc degree programme offered in Affiliated Institutions with effect from the Academic year 2011 – 2012 onwards.

M.Sc. (5 year) - REGULATIONS 2010

FS 18.12 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 Courses for Ph.D. / M.S. (BY RESEARCH) programmes offered in affiliated institutions under the Faculty of Science and Humanities, Anna University, Chennai.

SSH001 Supramolecular Chemistry

FS 18.13 TO CONSIDER AND RATIFY THE INCLUSION OF THE FOLLOWING BOOKS IN THE SYLLABI OF SEMESTERS I & II OF UG DEGREE PROGRAMMES UNDER R-2013:

RESOLVED TO RATIFY the inclusion of the following books in the syllabi of semesters I & II of UG degree programmes under R-2013:

- P. Sivarama Krishna Das and E. Rukmangadachari, **Engineering Mathematics** Volume I & II, Second Edition, PEARSON Publishing 2011 (To be included in reference book of **I & II semesters respectively**).
- S. Mani Naidu, **Engineering Physics**, Second Edition, PEARSON Publishing 2011 (To be included in Text book of **semester I**)

AGENDA FROM FACULTY OF MANAGEMENT SCIENCES

The Standing Committee of the Academic Council recommends, **Dr. G. Rajendran, Chairman, Faculty of Management Sciences** shall move the following items based on the decision of the Board of Studies in Management Sciences.

I. ITEMS PERTAINING TO UNIVERSITY DEPARTMENTS

FN 18.01 TO CONSIDER AND RATIFY THE CURRICULA AND SYLLABI FOR I TO IV SEMESTERS FOR M.B.A. GENERAL MANAGEMENT (FULL-TIME & PART-TIME) AND M.B.A HOSPITALITY & TOURISM (FULL – TIME) PROGRAMME OFFERED UNDER THE FACULTY OF MANAGEMENT SCIENCES IN THE UNIVERSITY DEPARTMENTS WITH EFFECT FROM THE ACADEMIC YEAR 2013 -2014.

RESOLVED TO RATIFY the Curricula and Syllabi for I TO IV Semesters for M.B.A. General Management (Full- Time & Part-Time) and M.B.A Hospitality & Tourism (Full – Time) Programme offered under the Faculty of Management Sciences in the University Departments with effect from the Academic year 2013 -2014.

1. M.B.A. (FT & PT)

2. M.B.A. HOSPITALITY AND TOURISM (FT)

The Members 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 take up the issue in the next Board of Studies.

FN 18.02 TO CONSIDER AND RATIFY CURRICULUM AND SYLLABI FOR I SEMESTER IN R-2013 FOR THE NEW PG DEGREE PROGRAMME MBA – TOURISM MANAGEMENT OFFERED IN UNIVERSITY DEPARTMENTS UNDER FACULTY OF MANAGEMENT SCIENCES IN R - 2013 WITH EFFECT FROM THE ACADEMIC YEAR 2014 – 2015 ONWARDS.

RESOLVED TO RATIFY curriculum and syllabi for I Semester in R-2013 for the new PG degree programme MBA – Tourism Management offered in University Departments under faculty of management sciences in R - 2013 with effect from the academic year 2014 – 2015 onwards.

The I Semester Curriculum and Syllabus common for M.B.A. (General) degree Programme offered in University Departments under R-2013, may be adopted for I Semester M.B.A. (Tourism Management) for the Academic year 2014 – 2015. Further, the Curriculum and Syllabus of II to IV Semesters of M.B.A (Tourism Management) will be provided after necessary academic process.

II. ITEMS PERTAINING TO AFFILIATED INSTITUTIONS

FN 18.03 TO CONSIDER AND RATIFY THE COMMON SYLLABI FOR MANAGEMENT RELATED SUBJECTS OF B.E. / B.TECH. DEGREE PROGRAMMES UNDER R – 2013, OFFERED BY THE AFFILIATED INSTITUTIONS, ANNA UNIVERSITY, CHENNAI WITH EFFECT FROM THE ACADEMIC YEAR, 2013 -2014.

RESOLVED TO RATIFY the common syllabi for management related subjects of B.E. / B.TECH. degree programmes under R – 2013, offered by the affiliated institutions, Anna University, Chennai with effect from the academic year, 2013 -2014.

**Common Syllabus for Management Related Subjects of
B.E. / B.Tech. Degree Programmes under R- 2013**

FN 18.04 TO CONSIDER AND RATIFY THE CURRICULA AND SYLLABI FOR I TO IV SEMESTERS FOR M.B.A. (FULL- TIME & PART-TIME) PROGRAMME OFFERED UNDER THE FACULTY OF MANAGEMENT SCIENCES IN THE AFFILIATED INSTITUTIONS WITH EFFECT FROM THE ACADEMIC YEAR 2013 -2014.

RESOLVED TO RATIFY the curricula and syllabi for I to IV semesters for M.B.A. (Full- time & Part-time) programme offered under the faculty of management sciences in the affiliated institutions with effect from the academic year 2013 -2014.

M.B.A (FULL TIME & PART TIME)

FN 18.05 TO CONSIDER AND RATIFY THE CURRICULA AND SYLLABI FOR I TO IV SEMESTERS FOR THE M.B.A. PROGRAMMES OFFERED BY THE CENTRE FOR DISTANCE EDUCATION, ANNA UNIVERSITY, CHENNAI WITH EFFECT FROM THE ACADEMIC YEAR 2013 -2014.

RESOLVED TO RATIFY the Curricula and Syllabi for I to IV semesters for the M.B.A. programmes offered by the Centre for distance education, Anna University, Chennai with effect from the Academic year 2013 -2014.

M.B.A - (GENERAL MANAGEMENT)

M.B.A - (TECHNOLOGY MANAGEMENT)

M.B.A - (MARKETING MANAGEMENT)

M.B.A - (HUMAN RESOURCE MANAGEMENT)

M.B.A - (FINANCIAL SERVICES MANAGEMENT)

M.B.A - (HEALTH SERVICES MANAGEMENT)

M.B.A - (OPERATIONS MANAGEMENT)

M.B.A - (HOSPITALITY AND TOURISM MANAGEMENT)

FN 18.06 TO CONSIDER AND RATIFY THE CURRICULA AND SYLLABI FOR MASTER OF TECHNOLOGY MANAGEMENT (MTM) 5 ½ YEARS PROGRAMME OFFERED UNDER THE FACULTY OF MANAGEMENT SCIENCES FOR AFFILIATED INSTITUTIONS EFFECT FROM THE ACADEMIC YEAR 2013 - 2014.

MTM - CURRICULA & SYLLABI

FN 18.07 TO CONSIDER AND RATIFY REGULATIONS 2013 OF MASTER OF TECHNOLOGY MANAGEMENT (MTM) 5 ½ YEARS TO BE OFFERED BY THE AFFILIATED INSTITUTIONS OF ANNA UNIVERSITY, CHENNAI WITH EFFECT FROM THE ACADEMIC YEAR 2013 - 2014.

REGULATIONS 2013

(MTM) 5 ½ YEARS DEGREE PROGRAMME

The Director, Academic Courses explained the contradictions in the nomenclature and duration specified by AICTE and UGC.

RESOLVED TO DEFER the introduction of 5½ years Master of Technology Management (MTM) degree programme till clarifications are obtained from AICTE.

FR: AGENDA FROM RESEARCH BOARD

The Standing Committee of the Academic Council recommends, **Dr. Usha Natesan, Director, Centre for Research** shall move the following items based on the decision of the Research Board Meeting.

FR 18.01 TO CONSIDER AND APPROVE THE APPLICATIONS RECEIVED FOR SUPERVISOR RECOGNITION.

RESOLVED TO APPROVE the applications received for Supervisor Recognition.

ANNEXURE – 15th RB

ANNEXURE – 16th RB

ANNEXURE – 17th RB

ANNEXURE – 18th RB

ANNEXURE – 19th RB

ANNEXURE – 20th RB

The clause 7.4 of Ph.D. and 7.5 of M.S. (By Research) regulations shall be amended as follows:

| Existing | Revised |
|--|--|
| Recognition as Supervisor for guiding research work shall be issued on the recommendation of the Research Board and approval of the Vice-Chancellor. | Recognition as Supervisor for guiding research work shall be accorded by the Vice-Chancellor with the approval by the respective Chairperson and the recommendation of the Research Board. |

ANNEXURE – 21st RB

ANNEXURE – 22nd RB

ANNEXURE – 23rd RB

FR 18.02 TO CONSIDER AND APPROVE THE RECOMMENDATIONS OF THE INSPECTION COMMITTEES CONSTITUTED BY THE VICE - CHANCELLOR FOR RECOGNITION OF DEPARTMENT / ORGANIZATION TO CARRY OUT COLLABORATIVE RESEARCH WORK LEADING TO THE AWARD OF Ph.D./M.S. (By RESEARCH) DEGREE.

RESOLVED TO APPROVE the recommendations of the inspection committees constituted by the Vice - Chancellor for recognition of Department / Organization to carry out collaborative research work leading to the award of Ph.D./M.S. (by research) degree.

ANNEXURE – 15th RB

ANNEXURE – 16th RB

ANNEXURE – 17th RB

ANNEXURE – 18th RB

ANNEXURE – 19th RB

ANNEXURE – 20th RB

ANNEXURE – 21st RB

ANNEXURE – 22nd RB

ANNEXURE – 23rd RB

FR 18.03 TO CONSIDER THE ELIGIBLE FACULTY MEMBERS WORKING IN GOVERNMENT/GOVERNMENT AIDED POLYTECHNIC FOR ADMISSION TO Ph.D./M.S.(By RESEARCH) PROGRAMMES UNDER PART-TIME MODE.

RESOLVED TO APPROVE the eligible faculty members working in Government/Government Aided Polytechnics for admission to Ph.D./M.S. (By Research) programmes under Part-time mode.

FURTHER RESOLVED to include the above as a sub clause 3.2.3 under the clause 3.2 of Ph.D./M.S. (By Research) Regulations.

FR 18.04 TO CONSIDER THE NOMINATION OF CERTAIN DIRECTORS OF THE CENTRES TO ACT AS EX-OFFICIO MEMBER FOR RESEARCH PURPOSE ONLY

RESOLVED TO exclude the Head of the Department as ex-officio member of the Doctoral/Monitoring committee.

FURTHER RESOLVED that the Head of the Department/Director of the Centre shall forward the DC/MC minutes to the Director (Research). However, the meetings of DC/MC should be informed to the Director (Research) with a copy to Head of the Department/Director of the Centre well in advance.

Accordingly, the clause 12.5 of Ph.D. and M.S. (By Research) regulations shall be amended as follows

| Existing | Revised |
|---|--|
| The Head of the Department of the Supervisor shall be an ex-officio member. | The Head of the Department/Director of the Centre shall forward the DC/MC minutes to the Director (Research). However, the meetings of DC/MC should be informed to the Director (Research) with a copy to Head of the Department/Director of the Centre well in advance. |

FR 18.05 TO CONSIDER THE PROPOSAL OF AMENDMENT TO CLAUSE 15.2 OF Ph.D. REGULATIONS

RESOLVED to amend the clause 15.2 of Ph.D. regulations as follows

| Existing | Revised |
|---|---|
| Two Seminar presentations prior to the submission of synopsis shall be given by the scholar, which is open to faculty members and research scholars | One Seminar presentation shall be given by the scholar before the confirmation of the provisional registration and another presentation prior to the submission of synopsis. Both seminars shall be open to faculty members and research scholars |

**FR 18.06 TO CONSIDER THE PROPOSAL OF AMENDMENT TO CLAUSE
13.1.10 OF Ph.D. REGULATIONS**

RESOLVED to amend the clause 13.1.10 of Ph.D. regulations as follows

| Existing | Revised |
|--|--|
| Scholars with M.Phil. Degree in the faculty of Science and Humanities have been exempted two course works provided the M.Phil. Degree is related to the proposed Ph.D. research work and if duly recommended by the Doctoral Committee | Scholars with M.Phil. Degree in the faculty of Science and Humanities have been exempted two course works provided the M.Phil. Degree is related to the proposed Ph.D. research work and if duly recommended by the Doctoral Committee. The other two courses shall be regular and not special elective. |

**FR 18.07 TO CONSIDER THE PROPOSAL OF THE FOLLOWING
AMENDMENTS IN THE Ph.D. REGULATIONS 2010**

AMENDMENTS – 19th RB

AMENDMENTS – 20th RB

AMENDMENTS – 21st RB

AMENDMENTS – 22nd RB

AMENDMENTS – 23rd RB

**FR 18.08 TO CONSIDER AND APPROVE THE REGULATIONS FOR DOCTOR
OF SCIENCE (D.Sc.) PROGRAMME AND TO INTRODUCE THE
COURSE FROM JANUARY 2014.**

RESOLVED TO APPROVE the Regulations for Doctor of Science (D.Sc.) programme and to introduce the course from January 2014.

Regulations – (D.Sc.)

FR18.09 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)

FR18.10 TO CONSIDER THE PROPOSAL OF THE FOLLOWING AMENDMENTS IN THE D.Sc. REGULATIONS

Amendment Regulations (D.Sc.)

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

OTHER POINTS:

Other points discussed by Standing Committee for consideration by the Academic council.

1. The director explained the possibility of having Programmes similar to M.E. Computer Science and Engineering (with specialization in Networks) having a core M.E Computer Science and Engineering with specialization to include and emphasize certain topics. The members felt it was good option that could be adopted for New Programmes.

RESOLVED to encourage starting of new PG programmes in University Departments and Affiliated institutions with nomenclature P. G. Core (with specialization in ...). (i.e) M. E. Computer Science and Engineering (with specialization in Networks). Members felt that this may solve the requirements of TRB also.

RESOLVED to take up the issue of cross-major PG / UG programmes with TRB after a detailed analysis.

2. One of the members felt that for every course 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 committee agreed that this could be carried out with the help of the Centre for Faculty Development.

RESOLVED to inform the Centre for Faculty Development regarding the request for creating two to three hours of overview lectures for all core courses of UG programmes to be made available in the University web site.

3. 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.

RESOLVED to form a committee to look into Examination reforms. The issue of uniformity in evaluation across zones can also be considered.

4. Members suggested the need to educate faculty members regarding outcome based education and regional workshops could be organised to come up with faculty training programmes that emphasized outcome based education.

RESOLVED to design and conduct regional workshops on outcome based education.

THE COMMISSIONER OF DOTE EXPRESSED THE VIEW THAT CURRENT CURRICULA & SYLLABI WAS OVERLOADED WITH CONTENT RESULTING IN SURFACE LEVEL UNDERSTANDING OF THE COURSES.

RESOLVED to form a committee to compare a current Course / Technical content with that of the past 15 to 20 years and arrive at a feasible solution.



REGISTRAR & SECRETARY
OF THE
ACADEMIC COUNCIL

