MINUTES OF THE 21st MEETING OF THE ACADEMIC COUNCIL HELD ON 07.01.2016 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:

1. Dr. M. Rajaram
2. Dr. S. Ganesan
3. Dr. K. Ilamparuthi
4. Dr. L. Karunamoorthy
5. Dr. B. Umamaheswari
6. Dr. A.P. Shanthi
7. Dr. M. Madhusoothanan
8. Dr. Ranee Vedamuthu
9. Dr. K. Shanthi
10. Dr. G. Rajendran
11. Dr. N. Rajendran
12. Dr. R. Senthil
13. Dr. Usa
14. Dr. S. Muttan
15. Dr. Arul Siromoney
16. Dr. M. Venkatesan
17. Dr. P. Narayanasamy
18. Dr. K. Nagamani
19. Dr. S. Ramakrishnan
20. Dr. Elwin Chandra Monie
21. Dr. S Ganesh Vaidyanathan
22 Mr. G.R. Rajendran
The Director General, Highways Department, Chepauk,
Chennai – 600 005.
23 Ms. Hema Gopal
Vice- President, TCS, IT Cathedral Road, Chennai – 600 086.
24 Dr. S. Chithra
The Chief Urban Planner, Chennai Metropolitan Development
Authority (CMDA), No.1, Gandhi Irwin Road, Egmore, Ch – 8.
25 Mr. S. Panikkassery
Director, MSME Development Institute Government of India,
No.65/1, GST Road, Guindy, Chennai – 600 032.
26 Dr. Arularasu
The Principal, Thanthai Periyar Govt.Inst.of Tech, Bagayam,
Vellore – 632 002.
27 Dr. P.M. Kavimani
The Principal, Government College of Engg, Chettikarai,
Dharmapuri – 636 704.
28 Dr. R.S.D. Wahida Banu
The Principal, Government College of Engg, Karuppur Village,
Salem – 636 011.
29 Dr. D. Shalini Punithavathani
The Principal, Government College of Engg, Kanyakumari
Road, Perumalpuram, Tirunelveli – 627 007.
30 Dr. S. Palaniswami
The Principal, Government College of Engineering,
Bodinayakanur, Theni District – 625 582.
31 Dr. A. Mala
The Principal, Alagappa Chettiar College of Engineering and
Technology, Karaikudi – 630 004.
32 Dr. V. Selladurai
The Principal, Coimbatore Institute of Technology, Civil
Aerodrome Post, Coimbatore – 641 014.
33 Dr. N. Nagarajan
The Principal, Coimbatore Institute of Engineering and
Technology, Narasipuram Post, Coimbatore - 641 109
34 Dr. M. Shahul Hameed
Dean, N P R College of Engineering & Tech., N P R Nagar,
Natham, Dindigul – 624 401.
35 Dr. C. Sundar Raj
The Principal, A V C College of Engineering, Mannampandal
Post, Mayiladuthurai, Nagapattinam Dist. - 609 305
36 Dr. P. Marimuthu
The Principal, Syed Ammal Engineering College, Dr. E.M.
Abdulah Campus, Ramanathapuram 623 502.
37 Dr. G. Mohan kumar
The Principal, Park College of Engineering and Technology,
Kaniyur, Coimbatore - 641 659.
38 Dr. D. Srinivasan
The Principal, K. Ramakrishnan College of Engineering,
Samayapuram, Kaniyamanickkam Road, Mannachanallur,
Thiruchirapalli - 621 112.
39 Dr. R.K. Suresh
The Principal, SCAD College of Engineering and Technology,
Thirunelveli-Shencottai Road, Scad Nagar, Cheranmahadevi,
Thirunelveli - 621 414.
40 Dr. N. Devarajan
The Professor, EEE, Govt College of Tech, Thadagam Road,
Coimbatore – 641 013.
41 Mr. S. Thennarasu
The Director, Saranya Spinning Mills Pvt. Ltd., 10/243,
Thuraiyur Main Road, Ponneri (Po), Namakkal – 637 013.
42 Dr. B. Ramesh Babu
Dean (Administration), Centre for Education, Central
Electrochemical Research Institute, Karaikudi – 630 003.
43 Dr. A.K. Natesan
Chairman, ISTE Tamil Nadu and Pondicherry Section, Excel
Engg. College Campus, Palakkapalayam (PO), Komarapalayam
– 637 303.

Special Invitees

1. The Dean
   A C Technology Campus,
   Anna University, Chennai - 600 025.

2. The Dean
   Madras Institute of Technology Campus,
   Anna University, Chromepet, Chennai - 600 044.
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. He also described the various committees and Academic meetings held to formulate the Choice Based Credit System Regulations and Syllabi for the UG and PG Programmes offered under the University Departments in the Academic Year 2015-2016. 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 that the curricula and syllabi of 90 PG programmes and curricula and syllabi of the first two semesters of 29 UG programmes were approved in the 20th Academic Council meeting and curricula and syllabi of the III to VIII semesters of 29 UG programmes would be discussed in the Academic Council. The Vice-Chancellor stressed the challenge in shaping and formulating the Regulations under the Choice Based Credit System which calls for a flexible and learner oriented approach to the teaching learning process. 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.
**Items Moved by the Vice-Chancellor**

**VC 21.01**  
TO NOTE THE APPROVAL GIVEN BY THE SYNDICATE TO THE MINUTES OF THE 19th AND 20th MEETING OF THE ACADEMIC COUNCIL HELD ON 03.12.2014 AND 07.07.2015 RESPECTIVELY.

The Minutes of the 19th and 20th Meeting of the Academic Council Held on 03.12.2014 and 07.07.2015 respectively as approved by the Syndicate in its meeting held on 01.10.2015.

**RESOLVED TO NOTE** the approval of the Minutes of the 21st Academic Council.

- Minutes of 19th Academic Council
- Minutes of 20th Academic Council

**VC 21.02**  
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 21.03**  
TO CONSIDER AND RATIFY THE FOLLOWING NOTIFICATION GRANTING PERMISSION TO THE STUDENTS OF UNIVERSITY DEPARTMENTS / AFFILIATED INSTITUTIONS WHO HAVE EXHAUSTED THE MAXIMUM PERIOD OF STUDY, TO WRITE THE ARREAR EXAM (S) AS THE LAST CHANCE, TO COMPLETE THEIR DEGREE PROGRAMME.
RESOLVED TO RATIFY the following Notification granting permission to the students of University Departments / Affiliated Institutions who have exhausted the maximum period of study, to write the arrear exam (s) as the last chance, to complete their degree programme.

NOTIFICATION

VC 21.04 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.

ANNEXURE – AI

VC 21.05 TO CONSIDER AND RATIFY THE SPECIAL PERMISSION GRANTING ADDITIONAL PERIOD OF STUDY TO INDIVIDUAL STUDENTS FOR COMPLETING THEIR DEGREE PROGRAMMES.

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

ANNEXURE - AI

VC 21.06 TO CONSIDER AND RATIFY THE SPECIAL PERMISSION GRANTING ADDITIONAL PERIOD OF STUDY TO UNDERGO ONE OR MORE ADDITIONAL COURSES OF STUDY TO THE INDIVIDUAL STUDENTS FOR COMPLETING THEIR DEGREE PROGRAMME.

RESOLVED TO RATIFY the special permission granting additional period of study to undergo one or more additional courses of study to the individual students for completing their degree programme.

ANNEXURE - AIII
21st ACADEMIC COUNCIL    MINUTES

VC21.07 TO CONSIDER AND APPROVE THE REVISED GUIDELINES BASED ON AICTE NORMS FOR ADMISSION TO PART TIME B.E. / B. TECH. (SS) DEGREE PROGRAMMES TO BE FOLLOWED FROM THE YEAR 2015-2016 ONWARDS.

RESOLVED TO APPROVE the revised guidelines based on AICTE norms for admission to part time B.E. / B. Tech. (SS) degree programmes to be followed from the year 2015-2016 onwards.

Part Time B.E. / B. TECH. (SS) – Revised Guidelines
1. BUSINESS BROUGHT FORWARDED BY THE BOARDS OF STUDIES.

AGENDA FROM FACULTY OF CIVIL ENGINEERING

FC21.01 TO CONSIDER AND APPROVE THE CURRICULUM AND SYLLABI OF III to VIII SEMESTERS FOR THE UG (FT) DEGREE PROGRAMMES (CBCS) TO BE OFFERED IN UNIVERSITY DEPARTMENTS UNDER R-2015.

RESOLVED TO APPROVE the curriculum and syllabi of III to VIII semesters for the UG (FT) degree programmes (CBCS) to be offered in University Departments under R-2015.

1. **B.E. Civil Engineering**
2. **B.E. Agricultural and Irrigation Engineering**
3. **B.E. Geoinformatics**

FC21.02 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 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.

**FC9014  Energy Economics**

FC21.03 TO CONSIDER AND APPROVE THE CURRICULA (I TO VIII SEMESTERS) AND SYLLABI (VI TO VIII SEMESTERS) FOR THE NEW B.E. AGRICULTURE ENGINEERING PROGRAMME OFFERED IN AFFILIATED INSTITUTIONS UNDER R-2013.

RESOLVED TO APPROVE the curricula (I to VIII semesters) and syllabi (VI to VIII semesters) for the new B.E. Agriculture Engineering programme offered in Affiliated Institutions under R-2013.

**B.E. Agriculture Engineering**
AGENDA FROM FACULTY OF MECHANICAL ENGINEERING

FM21.01 TO CONSIDER AND APPROVE THE CURRICULUM AND SYLLABI OF III to VIII SEMESTERS FOR THE UG (FT) (CBCS) DEGREE PROGRAMMES TO BE OFFERED IN UNIVERSITY DEPARTMENTS UNDER R-2015.

RESOLVED TO APPROVE the curriculum and syllabi of III to VIII semesters for the UG (FT) (CBCS) degree programmes to be offered in University Departments under R-2015.

1. B. E. Mechanical Engineering
2. B. E. Automobile Engineering
3. B. E. Industrial Engineering
4. B. E. Manufacturing Engineering
5. B. E. Aeronautical Engineering
6. B. E. Mining Engineering
7. B. E. Printing Technology
8. B. E. Production Engineering
9. B. E. Materials Science and Engineering

FM21.02 TO CONSIDER AND APPROVE THE ELECTIVE COURSE “AE6010 AIRFRAME MAINTENANCE AND REPAIR” FOR THE LIST OF ELECTIVE III (VII SEMESTER) OF B.E. AERONAUTICAL ENGINEERING UNDER R-2013 IS SHIFTED TO LIST OF ELECTIVE II OFFERED IN THE AFFILIATED INSTITUTIONS UNDER THE FACULTY OF MECHANICAL ENGINEERING, ANNA UNIVERSITY, CHENNAI.

RESOLVED TO APPROVE the elective course “AE6010 Airframe Maintenance and Repair” for the list of elective III (VII semester) of B.E. Aeronautical Engineering under R-2013 is shifted to list of elective ii offered in the Affiliated Institutions under the Faculty of Mechanical Engineering, Anna University, Chennai.

B.E. Aeronautical Engineering - Revised Elective List
AGENDA FROM FACULTY OF ELECTRICAL ENGINEERING

FE21.01 TO CONSIDER AND APPROVE THE CURRICULUM AND SYLLABI OF III to VIII SEMESTERS FOR THE UG (FT) (CBCS) DEGREE PROGRAMMES TO BE OFFERED IN UNIVERSITY DEPARTMENTS UNDER R-2015.

RESOLVED TO APPROVE the curriculum and syllabi of III to VIII semesters for the UG (FT) (CBCS) degree programmes to be offered in University Departments under R-2015.

1. B.E. Electrical and Electronics Engineering
2. B.E. Electronics and Instrumentation Engineering

FE 21.02 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 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 in Affiliated Institutions under the Faculty of Electrical Engineering, Anna University, Chennai.

SEE001 Finite Element Analysis: Theory and Application using ANSYS
FI21.01 TO CONSIDER AND APPROVE THE CURRICULUM AND SYLLABI OF III to VIII SEMESTERS FOR THE UG (FT) (CBCS) DEGREE PROGRAMMES TO BE OFFERED IN UNIVERSITY DEPARTMENTS UNDER R-2015.

RESOLVED TO APPROVE the curriculum and syllabi of III to VIII semesters for the UG (FT) (CBCS) degree programmes to be offered in University Departments under R-2015.

1. B.E. Computer Science and Engineering
2. B.Tech. Information Technology
3. B.E. Electronics and Communication Engineering
4. B.E. Biomedical Engineering

➢ A member suggested that more electives on IT infrastructure may be included as professional electives for B.Tech. Information Technology programme.

RESOLVED TO NOTE that Syllabus for the electives on IT infrastructure may be formulated with the help of industry experts and discussed in the next Board of Studies and Academic Council.

➢ A member suggested that the subject “Data Structures” should be compulsorily offered to UG Students of all branches of Affiliated Institutions. It was also suggested that PEO’s and PO’s may be included for Affiliated Institutions.

RESOLVED TO NOTE that these aspects could be considered when formulating the curriculum for Affiliated Institutions.
FI 21.02 TO CONSIDER AND RATIFY THE PERMISSION GRANTED FOR THE SPECIAL ELECTIVE COURSES FOR Ph.D. / M.S. (BY RESEARCH) PROGRAMMES OFFERED IN THE UNIVERSITY DEPARTMENTS 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 in the University Departments under the Faculty of Information and Communication Engineering, Anna University, Chennai.

1. FI9096 Stream Data Analytics
2. FI 9097 Underwater Acoustic Modeling and Simulation
3. FI9098 Multilevel Inverters
4. FI9099 Image Feature Detection Techniques Implementation
5. FI9100 Free Space Optical Networks

FI 21.03 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 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 in Affiliated Institutions under the Faculty of Information and Communication Engineering, Anna University, Chennai.

SIC005 Advanced Adaptive Optics and Artificial Neural Networks
AGENDA FROM FACULTY OF TECHNOLOGY

FT 21.01 TO CONSIDER AND APPROVE THE CURRICULUM AND SYLLABI OF III to VIII SEMESTERS FOR THE UG (FT) (CBCS) DEGREE PROGRAMMES TO BE OFFERED IN UNIVERSITY DEPARTMENTS UNDER R-2015.

RESOLVED TO APPROVE the curriculum and syllabi of III to VIII semesters for the UG (FT) (CBCS) degree programmes to be offered in University Departments under R-2015.

1. **B. Tech. Chemical Engineering**
2. **B. Tech. Food Technology**
3. **B. Tech. Pharmaceutical Technology**
4. **B. Tech. Industrial Bio-Technology**
5. **B. Tech. Rubber and Plastics Technology**
6. **B. Tech. Textile Technology**
7. **B. Tech. Apparel Technology**
8. **B. Tech. Leather Technology**
9. **B. Tech. Ceramic Technology**
10. **B. Tech. Petroleum Engineering and Technology**

FT 21.02 TO CONSIDER AND APPROVE THE CURRICULA (II TO VIII SEMESTERS) & SYLLABI (II TO IV SEMESTERS) FOR THE NEW B.TECH. HANDLOOM AND TEXTILE TECHNOLOGY PROGRAMME OFFERED IN AFFILIATED INSTITUTIONS UNDER R-2013.

RESOLVED TO APPROVE the curricula (II to VIII semesters) & syllabi (II to IV semesters) for the new B.Tech. Handloom and Textile Technology programme offered in Affiliated Institutions under R-2013.

**B. Tech. Handloom and Textile Technology**
AGENDA FROM FACULTY OF ARCHITECTURE AND PLANNING

FA21.01 TO CONSIDER AND APPROVE THE CURRICULA AND SYLLABI I TO X SEMESTERS FOR THE B.ARCH. (CBCS) DEGREE PROGRAMME TO BE OFFERED IN UNIVERSITY DEPARTMENTS UNDER R-2015.

RESOLVED TO APPROVE the curricula and syllabi I to X semesters for the B.Arch. (CBCS) degree programme to be offered in University Departments under R-2015.

B.Arch. – Curriculum and Syllabi

FA21.02 TO CONSIDER AND RATIFY THE AMENDMENTS FOR THE B.ARCH. REGULATIONS 2015 (CBCS).

RESOLVED TO RATIFY the amendments for the B.Arch. Regulations 2015 (CBCS).

AMENDMENTS - REGULATIONS 2015

FA21.03 TO CONSIDER AND RATIFY THE AMENDMENTS FOR THE M.PLAN. REGULATIONS 2015 (CBCS).

RESOLVED TO RATIFY the amendments for the M.Plan. Regulations 2015 (CBCS).

AMENDMENTS - REGULATIONS 2015

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. It was suggested to allow for two semesters of study at Universities abroad for the UG programmes and one semester for PG programmes under student exchange programmes.

   Resolved to Note the above suggestions may be adopted.

2. One of the members suggested to include topic on Human Responsibilities in the Syllabus of the course “Human Rights”.

   Resolved to Note the above suggestions may be adopted.

3. One of the members suggested that new courses offered in other UG degree programmes can also be introduced under “Open Elective”.

   Resolved to Note the above suggestions may be adopted.

4. Members suggested that already approved Ph.D. Special Elective courses may be offered at both University Departments and Affiliated Institutions.

   Resolved to Note the above suggestions may be adopted after consultation with the Controller of Examinations.

Other points discussed by the Academic council.

1. A member suggested that Open electives may be offered from V Semester onwards.

   Resolved to Note that many programmes included Open Elective from V Semester. Moreover due to CBCS system, the student has the flexibility to undergo additional elective / drop an elective from V semester onwards.
**TABLE ITEMS**

**VC 21.08** TO CONSIDER AND APPROVE THE METHODOLOGY TO BE FOLLOWED FOR FIXING THE RELATIVE GRADES UNDER THE CLAUSE "PASSING REQUIREMENT" ([CLAUSE 11.1](#)) FOR UNDER GRADUATE AND POST GRADUATE PROGRAMMES.

RESOLVED TO APPROVE the methodology to be followed for fixing the relative grades under the clause "Passing Requirement" ([Clause 11.1](#)) for Under Graduate and Post Graduate programmes.

**VC 21.09** TO CONSIDER AND DISCUSS THE SOFTWARE FOR SLOT TIME TABLE PREPARATION AND COURSE ENROLLMENT AND REGISTRATION FOR THE CBCS SYSTEM.

RESOLVED TO NOTE the software has been designed and testing is in progress.

**VC 21.10** TO CONSIDER AND DISCUSS THE METHODOLOGY FOR PREPARING REGULATIONS 2017 FOR AFFILIATED INSTITUTIONS.

RESOLVED TO NOTE that the appropriate committee with representation from all stakeholders may be constituted for discussion regarding the preparation Regulations 2017 for Affiliated Institutions.

**VC 21.11** TO CONSIDER AND DISCUSS THE METHODOLOGY TO EDUCATE FACULTY REGARDING ACTIVITY BASED TEACHING FOR CBCS.

RESOLVED TO NOTE that such activity based Teacher Training programmes may be organized.

[Signature]

REGISTRAR & SECRETARY
OF THE
ACADEMIC COUNCIL