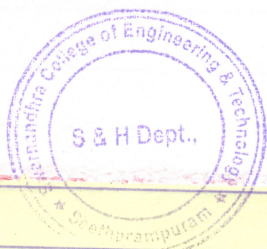


## COMBINED BOARD OF STUDIES MEETING

Agenda of Combined Board of Studies (Physics, Chemistry, Environmental Sciences and English) Meeting of Swarnandhra College of Engineering & Technology (Autonomous) on 08-06-2016 (Physics) and 11-06-2016 at 11:00 AM

1. Ratification of previous Meeting Minutes
2. Finalization of titles of the Subjects
3. Finalization of I & II Sem., Subjects Syllabus Thought by Basic Sciences & Humanities Department from the Academic Year 2016-17 onwards.
4. Finalization of Model Paper and List of Paper Setters
5. Life skills and Soft skills among the students - Improvement
6. Industry, Institute Interaction-Suggestions for Excellence
7. Any other matter with the permission of chair.



V. Swaminad  
CHAIRMAN  
COMBINED BOARD OF STUDIES  
Swarnandhra College of Engineering & Technology

- |                            |   |                      |
|----------------------------|---|----------------------|
| 1) Dr G. PADMAJA RANI      | : |                      |
| 2) Dr V. SWAMINATHAN       | : | V. Swaminad          |
| 3) Dr A. PADMANABHAN       | : |                      |
| 4) Mr K. KOTESWARA RAO     | : | K. Koteshwara Rao    |
| 5) Mrs P. SARASWATHI       | : | P. Sarawathi         |
| 6) Dr P. RAJENDRA KARMAR   | : | P. Rajendra Karmar   |
| 7) Dr Manjula Davidson     | : |                      |
| 8) Dr B. HARI BABU         | : | B. Hari Babu         |
| 9) Dr D. RAMASEKHAR REDDY  | : | D. Ramasekhara Reddy |
| 10) Mr J. PRAKASH          | : | J. Prakash           |
| 11) Mr V. MANIYALA RAO     | : | V. Maniyala Rao      |
| 12) Mr U. NAGA BABU        | : | U. Nagababu          |
| 13) Mrs. KALAVATHI TIWARI  | : |                      |
| 14) Mr. K. RAMANA RAO      | : | K. Ramana Rao        |
| 15) Mrs. ZEHRABI           | : | Zehra Bi             |
| 16) Mr. M.D.C. PAVAN KUMAR | : | M. D. C. Pavan Kumar |
| 17) Mr. B. SURESH          | : | B. Suresh            |
| 18) Mr. M. DURGA RAO       | : | M. Durga Rao         |
| 19) Mrs K. RAGINI          | : | K. Ragini            |
| 20) Mrs. M. SARADA DEVI    | : | M. Sarada Devi       |

## BOS Minutes

Minutes of the combined Board of Studies (Chemistry, English and Physics) of Swarnandhra College of Engineering & Technology ( Autonomous) held on 08-06-2016 and 11-06-2016 at 11:00 am in the Dept. of Sciences & Humanities.

1. The minutes of the previous meeting held on 31-08-2014 were discussed and ratified.
2. Finalization of First and Second Sem. of B. Tech, MBA and MCA subject syllabus taught by Basic Sciences and Humanities Dept. from the Academic year 2016-17.

i) **English Board:**

The following the resolutions are made by English Board and expert members have given their consent.

- a) The title of the subject and the title of the book would be the same for "Both the Semesters I & II"

Proficiency course in English –I

Proficiency course in English –II

- b) As the author of two lessons in two different units being the same. "The Lottery Ticket" by Anton Checkov, is substituted with another lesson "It Progress Real?"

- c) It was resolved to adopt the following title for Practical/Lab work.

English Proficiency Lab for Sem-I

English Communication Skills for Sem-II

- d) Question paper model for semester exams was discussed. It was resolved to follow the same pattern as was discussed in the meeting.

- e) Smt Kalavathi Tiwari proposed for an inclusion of "Relative Clause" and it was resolved that the same would be added in Unit-6 along with simple compound and complex sentences for Second Semester Syllabus.

- f) Professor Karmarkar suggested that the topics selected for the syllabus should change the in different attitude of the present generation students towards "Nature and its Appreciation"
- g) With regard to MBA and MCA English Lab, the existing syllabus is adhered to.

ii) **Physics Board:**

The following are the resolution made by the physics board

- a) Resolved to change the Theory title as "Physics for Engineers" and Lab title as "Physics Lab for Engineers", **subjected to final approval of Academic Council.**
- b) Expert members Dr. G. Padmaja Rani, Prof. JNTU-K, and Subject expert Dr. A. Padmanabham, Prof. of Physics, DNR CET, have accepted the following modifications in the existing Engineering Physics syllabus and finalized the proposed syllabus for SCET (Autonomous).
  - 1. Deletion of entire Fiber Optics and Acoustic Chapters from the syllabus.
  - 2. Instead Electromagnetism Chapter was introduced
  - 3. Remaining topics in Existing Syllabus is evenly divided into **six units** as per the experts' suggestions.
- c) Regarding Engineering Physics Lab 12 experiments are finalized and students have to do any 10 out of these 12 experiments. It is also suggested by the expert members that, Virtual Labs are to be conducted for awarding assignment marks.
- d) All the members have accepted the model paper prepared, **subjected to final approval of Academic Council.**

iii) **Chemistry and Environmental Board:**

The following resolutions are made in chemistry

- a) Resolved to change the Theory title as "Chemistry for Engineers" and Lab title as "Chemistry Lab for Engineers", **subjected to final approval of Academic Council.**
- b) It is unanimously resolved to follow the guidelines of Academic council held on 21<sup>st</sup> May 2016 in-respect of Internal and External assessment pattern as 40 Marks (Internal) 60 Marks (External) and accordingly the external question paper was modified as per marks weightage in both sections A and B as 18 Marks (6x3) and 42 marks (3x14M) respectively.
- c) It is unanimously resolved to introduce the applications for Determination of Conductivity in Unit no. II of existing syllabus and removed topic ion selective Electrode and Glass Electrode and also unanimously accepted to shift the topic Solar cells to Unit-VI as it is more relevant in Unit-VI.
- d) It is unanimously resolved to remove the topic working of thermal power Stations in existing syllabus.
- e) It is unanimously resolved to introduce the topic Determination of molecular weight of a polymer by weight average and Number average methods in place of Stereo Specific, conducting Polymers and Fiber reinforced plastics.
- f) The sixth unit is formulated by removing the topic ceramics and introducing topic solar energy materials consisting of solar cells (as points) and solar reflections of present syllabus.
- g) It is unanimously accepted to strengthen the practical paper by introducing the new practicals Determination of strength of strong acid by weak base by

conductometric and potentiometric methods, determination of pour & cloud point of oils.

- h) It is unanimously resolved to remove the practicals Determination of copper by iodometry and determination of Acid number of oil as it is not relevant to core syllabus.
- i) It is unanimously resolved to change the title of the paper as environmental Science instead of Environmental Studies.
- j) It is unanimously resolved to follow the forty (internal marks) – sixty (external; Marks) pattern in marks as per the resolutions of academic council held on 26<sup>th</sup>May 2016. Consequently the question paper was modified as per the marks weightage in both sections A&B.
- k) It is unanimously resolved to divide the syllabus in third unit of present syllabus into three & four units. The third unit contains ecosystem & its conservation, fourth unit contains Bio-diversity & its management. Accordingly the syllabus in the fourth unit is shifted to fifth unit.
- l) It is also unanimously resolved to combine the units fifth & sixth as unit six.

3. Following suggestions are made by Dr. P. Rajendra Karmakar for improving soft skills and life skills.

- a. Communication Skills of the students ought to be developed.
- b. Leadership quality among the students should be inculcated.
- c. Motivational talks by the professionals should be arranged
- d. Risk takers need to be encouraged to communicate spontaneously.

- e. Teachers ought to be cheerful and exuberant and be a role model to the students.
  - f. Every student should be given an opportunity to speak minimum for five minutes in the beginning of the class.
  - g. Activities like group discussion, debate & elocution on the current topics should be given priority. Topics could be from "Real Life Situation" too.
  - h. Human resources from the organizations like ONGC have to be utilized for the overall personality development of the students.
  - i. To enhance language skills, basic grammar, simple sentence patterns (Subject + Verb) and Voice (Active & Passive) have to be taught.
  - j. As language skills acquisition is a continuous process. It should be continued for the students of II & III B. Tech also.
  - k. Constant practice in the areas of spelling of tricky words and meanings of confusing words has to be given to the students.
  - l. The fifth point in the Agenda is given the utmost importance as the content delivery by the teacher in the most exemplary way would certainly develop the students both soft skill and life skills.
4. Suggestions for excellence in the field of industry and institutional interaction, are given by the experts (i) conducting guest lectures by eminent personalities and (ii) Organizing workshops.

5. Following are the details of paper setters identified for various subjects.

**PHYSICS:**

- a. Dr. G. Padmaja Rani  
Prof of Physics.  
JNTUK, Kakinada
- b. Dr. K. V. Ramesh  
Associate Professor  
Dept. of Engg. Physics  
GITAM University,  
Visakhapatnam
- c. Dr. Y. P. K. Raghava  
Professor  
GayatriVidyaParishadEngg.  
College.  
Visakhapatnam.

**ENGLISH:**

- a) Dr. L. Manjula Davidson  
Professor  
Dept. of English  
Andhra University  
Visakhapatnam – 530 003
- b) Dr. G. Chenna Reddy  
Professor  
Dept. of English  
AcharyaNagarjuna University  
Guntur.
- c) Prof. T. Bharathi  
Professor  
Dept. of English  
PadmavathiMahila University  
Titupathi

**CHEMISTRY:**

- a) Prof. Y. L. N. Murthy  
Professor (Rtd)  
Dept. of Organic Chemistry  
Andhra University  
Visakhapatnam.
- b) Dr. B. HariBabu  
Assistant Professor  
Dept. of Chemistry  
AcharyaNagarjuna University  
Guntur
- c) Dr. D. Rama Sekhar Reddy  
Assistant Professor  
Dept. of Chemistry  
Krishna University  
Machilipatnam

**ES:**

- a) Dr. K. V. S. G. Murali Krishna  
Professor, Dept of Civil  
Engineering  
JNTUK, Kakinada
- b) Dr. P. Brahmaji Rao  
Asst. Prof,  
Dept. of Environmental Sciencs  
Acharya Nagarjuna University  
Guntur
- c) Dr. V. Hima Bindu  
Associate Professor  
Centre for Environment  
JNTUH, Hyderabad

  
Dr. V. SWAMINADHAM

CHAIRMAN  
COMBINED BOARD OF STUDIES  
(Chairman, Combined BOS)  
Swarnandhra College of Engineering & Technology