



VARDHAMAN COLLEGE OF ENGINEERING

(Autonomous)

Shamshabad – 501 218, Hyderabad

MINUTES OF THE FOURTH MEETING OF THE JOINT BOARD OF STUDIES IS HELD AT 10.30 AM ON 02nd JUNE, 2018 (SATURDAY) IN THE BOARD ROOM (BLOCK 5)

Dr.S Sai Satyanarayana Reddy, Chairman of the Joint Board of Studies of Vardhaman College of Engineering (Autonomous), Hyderabad presided over the meeting.

WELCOME ADDRESS BY THE CHAIRMAN, JOINT BOS

The Principal and Chairman of the Joint Board of Studies Dr.Sai Satyanarayana Reddy, welcomed all the members and requested the members to introduce themselves. He explained that the Board of studies of various branches are constituted as per the guidelines of UGC. Principal conveyed his heart-felt thanks to all members of BOS for attending the meeting and then presented the detailed Agenda Notes.

1. To Approve and ratify the academic regulations for B. Tech. degree courses – Regulations – R18.

Principal presented the academic regulations for R18 for B. Tech. Degree courses to the members present. After a detailed discussion he requested the board to ratify the academic regulations as furnished in Annexure – I.

Resolution: The members resolved to ratify the academic regulations of R18 for B.Tech degree course for the students admitted from 2018 onwards and put forward to Academic Council for approval and ratification.

2. To approve and ratify the Course Structure and syllabi of I B.Tech I and II Semester Regulations – R18.

Principal presented the course structure and detailed syllabi of I B.Tech I and II semesters to the members present. He requested the board to ratify the same as furnished in annexure II.

After detailed discussion, in the meeting of Joint Board of Studies the members have decided to have the following pattern of courses for different branches of four year B.Tech degree program: Organization of I B.Tech I and II semester course structure for load balance for effective utilization of the resources and facilities.

| S. No | COURSE NAME | I SEMESTER | II SEMESTER |
|-------|--|---------------------------|--------------------|
| 1 | Linear Algebra and Differential Equations | CSE/IT/CIVIL/ECE/EEE/MECH | -- |
| 2 | Engineering Chemistry | CSE/IT | ECE/EEE/MECH/CIVIL |
| 3 | Programming for Problem Solving | CSE/IT/ME/CIVIL | ECE/EEE |
| 4 | Engineering Workshop | CSE/IT | ECE/EEE/MECH/CIVIL |
| 5 | Engineering Chemistry Laboratory | CSE/IT | ECE/EEE/MECH/CIVIL |
| 6 | Programming for Problem Solving Laboratory | CSE/IT/ME/CIVIL | ECE/EEE |
| 7 | Social Innovation | CSE/IT/MECH | ECE/EEE/CIVIL |

| S. No | COURSE NAME | I SEMESTER | II SEMESTER |
|-------|--|--------------------|----------------------------|
| 8 | Advanced Calculus | -- | CSE/IT/CIVIL/ECE/EEE/MECH |
| 9 | Semiconductor Physics | ECE/EEE | CSE/IT |
| 10 | Oscillations, Waves and Optics | ME/CE | -- |
| 11 | Basic Electrical Engineering | ECE/EEE | CSE/IT |
| 12 | Functional English for Communication | -- | CSE/IT/CIVIL/ECE/EEE/MECH |
| 13 | Engineering Graphics and Computer Aided Drafting | ECE/EEE/MECH/CIVIL | CSE/IT |
| 14 | Semiconductor Physics Laboratory | ECE/EEE | CSE/IT |
| 15 | Oscillations, Waves and Optics Laboratory | ME/CE | -- |
| 16 | Basic Electrical Engineering Laboratory | ECE/EEE | CSE/IT |
| 17 | English Language Communication Skills Laboratory | -- | CSE/IT/CIVIL /ECE/EEE/MECH |
| 18 | Engineering Exploration | ECE/EEE/CIVIL | CSE/IT/MECH |
| 19 | Engineering Mechanics | MECH/CIVIL | -- |
| 20 | Engineering Mechanics Laboratory | MECH/CIVIL | -- |

Resolution: The members resolved to ratify the Course Structure and syllabi for I B.Tech I and II semester.

3. Non-Engineering Subjects and detailed Syllabi offered to III and IV year B. Tech

1. Probability and Statistics
2. Managerial Economics and Financial Analysis
3. Quantitative Aptitude – I
4. Quantitative Aptitude - II
5. Environment Science
6. Verbal Ability and Logical Reasoning
7. Gender Sensitization
8. Indian Constitution
9. Soft skills and Personality Development
10. Essence of Indian Traditional Knowledge
11. Management Science
12. Partial Differential Equations and Complex Variables

Syllabi of the following subjects were presented and discussed. Subject experts finalized the syllabus for all the above courses.

4. To Nominate panel of examiners / paper setters for regulations – R18

Chairman proposed the following guidelines to prepare the panels for question paper setting.

4.1 Panels for Questions paper setting:

For non – engineering subjects, the panels of paper setters are to be prepared by the coordinators for concerned subjects, to be nominated by the chairperson of the Joint Board of Studies (BOS)

In the case of engineering subjects, the panels of paper setters are to be prepared by the chairperson of BOS concerned.

These panels are to be sent to the Controller of Examinations (COE).

COE has to arrange for Question Paper Setting in each subject, by choosing any two paper setter (two sets each) from the panel of paper setters for that subject, with the approval of the Principal.

To expedite the work, the COE, may select the paper setters, from outside the panel, by satisfying the norms given below, with the permission of the Principal.

- a. The paper setter should be from the same specialization of study, for that subject.
- b. Normally, the paper setter should not be below the cadre of an Associate Professor from any engineering college, within and outside the state of Telangana.
- c. In the case of the paper setter being of the cadre of Assistant Professor, he/she should have minimum teaching experience of five years.

4.2 Model Question Paper:

Model question paper for each subject, is to be prepared and sent to the COE, to be made available to the paper setter, in that subject, for serving as guidelines for paper setting.

For non – engineering subjects, the model question papers are to be prepared by the coordinators for concerned subjects, to be nominated by the chairperson of the Joint Board of studies (BOS).

In the case of engineering subjects, the model question papers are to be prepared by the coordinators for concerned subjects, to be nominated by the chairperson of BOS concerned.

Resolution: Members discussed and unanimously approved the above.

5. To discuss and approve the pattern of evaluation

Chairman proposed the following procedure for the evaluation of end examination answer scripts.

5.1 Evaluation of Answer Scripts:

Digital Evaluation:

All the answer scripts are encode and shall be digitized after cutting and scanned with required security features. After scanning pinning must be done.

The theory papers of end-semester examination should be evaluated both by internal examiner and external examiner. The first valuation of the answer scripts should be done by the internal faculty, teaching the subject. The second evaluation should be done by an examiner faculty outside the college. List of experts for second valuation, is to be finalized by the COE, with the approval of the Principal.

In case of non-availability of the concerned internal faculty, the COE, with the permission of the Principal, may assign the evaluation work to a competent faculty member.

For the external evaluation, the COE, may approach the Head of any Engineering college(s), within or outside the state, preferably away from the region, with a request to co-ordinate the evaluation work. The Head of the Institution(s), may in turn, entrust the evaluation work to a Coordinator.

The Coordinator may specifically be requested, to follow the guidelines given below, while selecting the paper valuers.

- a. The evaluator, must have taught the subject, at least once.
- b. Normally, the evaluator should not be below the cadre of an Associate Professor from any engineering college, within and outside the state of A.P.
- c. In the case of the evaluator being of the cadre of Assistant Professor the prescribed minimum teaching experience is five years.

After obtaining the evaluation marks, the COE has to finalize the marks as per the following guidelines.

- The marks for the internal evaluation components will be added to the external evaluation marks secured in the end semester examinations, to arrive at total marks for any subject in that semester.
- Performance in all the courses is tabulated course-wise and will be scrutinized by the Examination Committee. Moderation is applied, if needed, based on the recommendations of results committee and then course-wise grade lists are finalized.
- Student-wise tabulation is done and grade sheet is generated which is issued to the student.
- If the second valuation marks are lower than the first valuation marks, and the difference between the two, is 14 (fourteen) or less, the final marks are arrived by taking the average of first and second evaluation.
- If the difference of marks between the second valuation and first valuation is above 14 (fourteen), the answer script is to be sent by the COE with the approval of the Principal, to the chief examiner of the concerned subject, other than the first two examiners for third evaluation. After valuation by the chief examiner, the average of three evaluations will be the final marks.

Revaluation:

- Students shall be permitted for revaluation after the declaration of end semester examination results within due dates by paying prescribed fee. After revaluation if there is any betterment in the grade, then improved grade will be considered. Otherwise old grade shall be retained.

5.2 Examiners for Practical Examinations:

For all the laboratories, the examinations are to be conducted by the faculty drawn from outside the college, as per the guidelines given below:

- In case of non-engineering subjects, the chairperson of joint BOS, can appoint the examiners for conducting practical examinations.

- In case of engineering subjects, the concerned chairperson of BOS, can appoint the examiners for conducting practical examination.

The panel of external examiners consisting of 6 examiners, for Practicals / Project Work Comprehensive Viva is to be prepared by the chairperson of the concerned BOS, and sent to the COE.

The COE, has to appoint one examiner from the panel submitted, with the approval of the Principal. In case of refusal/no response, another examiner from the panel is to be appointed by the COE, with the approval of the Principal. The same process is to be repeated, till the panel is exhausted. The COE, then, has to obtain another panel of examiners from the concerned chairperson of BOS, and repeat the process to conduct the examination as per schedule.

Resolution: Members discussed and unanimously approved the above pattern of evaluation.

6. Constitution of Results Committee:

It is proposed to constitute the results committee with the following composition:

Resolution: Members discussed and unanimously authorized the result committee to take up special moderation, general moderation and moderation of marks at the time of award of final degree in case the student fails to secure FIRST class degree.

| | |
|--|----------|
| ➤ Principal | Chairman |
| ➤ Controller of Examination | Convener |
| ➤ All Chair persons of Boards of studies in Engineering | Members |
| ➤ One external member from any engineering college | Members |
| From the state, or JNTUH, Hyderabad (not below the cadre of Professor) | |
| ➤ Representative of the Management | Member |
| ➤ One Senior Faculty of the college | Member |

7. Amendments in R15:

- a. Five marks for alternative assessment instead of five marks for attendance.
- b. New Course is introduced as Open Elective – Entrepreneurship (A3081).
- c. Open Electives and Professional Electives can be added as per the requirement.

Resolution: The members accepted to consider alternative assessment for awarding 05 Marks instead of considering the attendance. It is also resolved to add a new open elective Entrepreneurship for the R15 Course structure. Members also approved to add new courses to the Open Electives and Professional Electives subjects list already given in R15 Regulations based on the requirement.

| S No | Name of the Member | Designation | Signature |
|--|--------------------------------|---------------------|---|
| Computer Science and Engineering / Information Technology | | | |
| 1. | Dr. H. Venkateswara Reddy | Chairman, BOS – CSE |  |
| 2. | Dr. M. Gopi Chand | Chairman, BOS - IT |  |
| 3. | Dr. Miryala Chandra Mohan | JNTUH Nominee - CSE |  02/06/18 |
| 4. | Dr. R. Sridevi | JNTUH Nominee - IT |  02/06/18 |
| 5. | Mr. Sudhir Mishra | Industry Expert | LOA |
| 6. | Dr. J. Kirankumar | Industry Expert | LOA |
| 7. | Dr. C. Krishna Mohan | Subject Expert |  R. Mohan |
| 8. | Dr. P. Niranjan | Subject Expert |  |
| 9. | Dr. S. Sai Satyanarayana Reddy | Member - CSE |  |
| 10. | Dr. M. A. Jabbar | Member – CSE |  |
| 11. | Prof. A. Bhanu Prasad | Member – CSE |  |
| 12. | Prof. A. Rajinikanth | Member - CSE |  |
| 13. | Prof. Vivek Kulkarni | Member - CSE |  |
| 14. | Dr. G. Sagar | Member – IT | LOA |
| 15. | Dr. N. Anil Kumar | Member – IT |  N. Anil Kumar |
| 16. | Dr. V. Munisekhar | Member – IT |  |
| 17. | Dr. K. Dhanasree Devi | Member – IT |  |
| 18. | Ms. E. R. Aruna | Member – IT |  |
| 19. | Mr. T. Raghunatha Reddy | Member – IT |  |
| 20. | Mr. Venkata Satyadeep Mane | Alumni - CSE |  |
| 21. | Mr. T. Venkatesh | Alumni - IT |  |

| S No | Name of the Member | Designation | Signature |
|--|--------------------------|-----------------|---------------------------|
| Electronics and Communication Engineering | | | |
| 22. | Dr. J. V. R. Ravindra | Chairman, BOS | Ravindra |
| 23. | Dr. B N Bhandari | JNTUH Nominee | Bhandari 2/6/18 |
| 24. | Mr. N. Venkatesh | Industry Expert | LOA |
| 25. | Dr. M Asha Rani | Subject Expert | M. Asha Rani 2/6/18 |
| 26. | Dr. R V S Satyanarayana | Subject Expert | R. V. S. Satyanarayana |
| 27. | Dr. D. Rama Krishna | Subject Expert | D. Rama Krishna 2/6/18 |
| 28. | Prof. Y. Pandu Rangaiah | Member | P. Y. Pandu Rangaiah |
| 29. | Dr. P. Nageswara Rao | Member | P. Nageswara Rao |
| 30. | Dr. R. Murali Prasad | Member | R. Murali Prasad |
| 31. | Mr. Madhavaram Kartheek | Alumni | Madhavaram Kartheek |
| Electrical and Electronics Engineering | | | |
| 32. | Dr. N Kiran Kumar | Chairman, BOS | N. Kiran Kumar |
| 33. | Dr. B.V .Shankar Ram | JNTUH Nominee | B. V. Shankar Ram |
| 34. | Ms. D.Pavithra | Industry Expert | D. Pavithra |
| 35. | Dr. A. V. Giridhar | Subject Expert | A. V. Giridhar 02/06/2018 |
| 36. | Dr. H. S. Jain | Member | H. S. Jain |
| 37. | Dr. T Sai Rama | Member | T. Sai Rama |
| 38. | Mr. Md. Asif | Member | Md. Asif |
| 39. | Mr. T.C. Srinivasa Rao | Member | T. C. Srinivasa Rao |
| 40. | Mr. S Nandan | Alumni | S. Nandan |
| Mechanical Engineering | | | |
| 41. | Dr. B Subbaratnam | Chairman, BOS | B. Subbaratnam |
| 42. | Dr. B Sudheer Prem Kumar | JNTUH Nominee | B. Sudheer Prem Kumar |

| S No | Name of the Member | Designation | Signature |
|------|--------------------------|-----------------|--------------------|
| 43. | Dr. K Hema Chandra Reddy | Subject Expert | LOA |
| 44. | Dr. A V S S K Gupta | Subject Expert | A V S S K Gupta |
| 45. | Mr. Ajay P Chowdary | Industry Expert | Ajay P Chowdary |
| 46. | Mr. P Mastanaiah | Industry Expert | P. Mastanaiah |
| 47. | Dr. B. Venkatesh | Member | B. Venkatesh |
| 48. | Dr. K. Deepak | Member | K. Deepak |
| 49. | Prof. N Srinivasa Reddy | Member | N. Srinivasa Reddy |
| 50. | Mr. P Sarkar | Member | P. Sarkar |
| 51. | Mr. A. Suraj Kumar | Alumni | LOA |

Civil Engineering

| | | | |
|-----|-------------------------|-----------------|---------------------|
| 52. | Dr. C. Hari Prasad | Chairman, BOS | C. Hari Prasad |
| 53. | Dr. K Rama Mohan Rao | JNTUH Nominee | LOA |
| 54. | Mr. T. Someshwar Rao | Industry Expert | T. Someshwar Rao |
| 55. | Dr. V Padmavathi | Subject Expert | V. Padmavathi |
| 56. | Dr. K. Srinivasa Raju | Subject Expert | LOA |
| 57. | Prof. G.V.K. Reddy | Member | G.V.K. Reddy |
| 58. | Dr. N Srujana | Member | N. Srujana |
| 59. | Dr. Pradeep | Member | P. Pradeep |
| 60. | Dr. G. Mallikarjuna Rao | Member | G. Mallikarjuna Rao |
| 61. | Mr. M. Nagaraju | Alumni | LOA |

Humanities & Sciences

| | | | |
|-----|--------------------|----------------|----------------|
| 62. | Prof. S. Rajendar | Chairman, BOS | S. Rajendar |
| 63. | Dr. M. A. Srinivas | JNTUH Nominee | M. A. Srinivas |
| 64. | Dr. Reddy Y N | Subject Expert | Y. N. Reddy |

| S No | Name of the Member | Designation | Signature |
|------|--------------------------|--------------------------------|---|
| 65. | Dr. R. Srinivas | Member - Mathematics |  |
| 66. | Dr. D. Srinivas Reddy | Member - Mathematics |  |
| 67. | Dr. S. Chandralingam | JNTUH Nominee |  |
| 68. | Dr. Prem Pal | Subject Expert | LOA |
| 69. | Dr. James A R | Subject Expert |  |
| 70. | Dr. P. Sarah | Member - Physics |  |
| 71. | Dr. P. Anji Reddy | Member - Physics |  |
| 72. | Dr. B. Rama Devi | JNTUH Nominee |  |
| 73. | Dr. Panasa Reddy A | Subject Expert |  |
| 74. | Dr. G. Chinna Rao | Member - Chemistry |  |
| 75. | Dr. B. Srinivas Reddy | Member - Chemistry |  |
| 76. | Dr. Ch. Sasikala | JNTUH Nominee | LOA |
| 77. | Dr. Venkata Mohan S | Subject Expert | LOA |
| 78. | Dr. Sridarala Ramu | Member - Environmental Science |  |
| 79. | Dr. B. Chandrasekhar Rao | Member -Environmental Science |  |
| 80. | Dr. V. Parvathi | JNTUH Nominee |  |
| 81. | Dr. Kishore Kumar R | Subject Expert |  |
| 82. | Dr. B. Kranthi Kumari | Member - English |  |
| 83. | Dr. Manu S Kurup | Member - English |  |


CHAIRPERSON – JOINT BOARD OF STUDIES



VARDHAMAN COLLEGE OF ENGINEERING

(Autonomous)

Shamshabad – 501 218, Hyderabad

Board of Studies in Freshman Engineering

Meeting held on 12th December, 2015

Minutes

Members Present:

| | | |
|----|---------------------|-----------------|
| 1 | Dr. P Sarah | Chairperson |
| 2 | Dr V Parvathi | JNTUH Nominee |
| 3 | Dr.M.Chandrasekhar | JNTUH Nominee |
| 4 | Dr N Sharada | Subject Expert |
| 5 | Dr K Madhavi | Subject Expert |
| 6 | Dr.D.S.Kesava Rao | Subject Expert |
| 7 | Dr CH Shashikala | Subject Expert |
| 8 | Mr.C.Praveen Kumar | Subject Expert |
| 9 | Ms.V.Priyanka | Subject Expert |
| 10 | Mr Chaithanya Vaddi | Industry Expert |
| 11 | Dr.Gopal Krishna | Industry Expert |

The Chairperson welcomed all the members present for the BOS meeting of Freshman Engineering.

1. Approval of syllabus of Gender Sensitization for II Year – B.Tech (vide letter No. A1 / 2557 / XXII SCAS/2015(2) dated 19th November 2015).

The Members examined and discussed the importance of Gender sensitization at length. They approved the introduction of this value added course as a compulsory foundation course at II Year UG level for all branches of engineering.

The syllabus was approved.

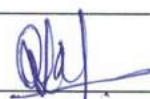
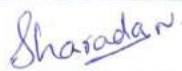




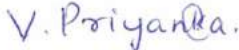
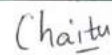
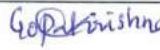
Final result would be Pass/Fail based on the marks obtained in the Internal/External evaluation.

Resource persons would be the faculty of English, Vardhaman College of Engineering.

2. Inclusion of topic *III effects of Fireworks and upkeep of clean environment* (vide letter No.14-26/2015(CPP-II) dated 11th December 2015):

The Board Members approved inclusion of the topic “III effects of Fireworks” in the Syllabus of Environmental Science for II Year B.Tech.

Meeting concluded with chair thanking the members.

| | | | |
|----|---------------------|-----------------|---|
| 1 | Dr. P Sarah | Chairperson |  |
| 2 | Dr V Parvathi | JNTUH Nominee | LOA |
| 3 | Dr.M.Chandrasekhar | JNTUH Nominee | LOA |
| 4 | Dr N Sharada | Subject Expert |  |
| 5 | Dr K Madhavi | Subject Expert |  |
| 6 | Dr.D.S.Kesava Rao | Subject Expert |  |
| 7 | Dr CH Shashikala | Subject Expert |  |
| 8 | Mr.C.Praveen Kumar | Subject Expert |  |
| 9 | Ms.V.Priyanka | Subject Expert |  |
| 10 | Mr Chaithanya Vaddi | Industry Expert |  |
| 11 | Dr.Gopal Krishna | Industry Expert |  |


-Prof. P Sarah
Chairperson
Board of Studies in Freshman Engineering

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

II Year B.Tech. II Sem (Common to All B.Tech. Branches and B.Pharmacy) L T/P/D C
- -/3/- 2

GENDER SENSITIZATION
(An Activity-based Course)

Objectives of the Course:

- To develop students' sensibility with regard to issues of gender in contemporary India.
- To provide a critical perspective on the socialization of men and women.
- To introduce students to information about some key biological aspects of genders.
- To expose the students to debates on the politics and economics of work.
- To help students reflect critically on gender violence.
- To expose students to more egalitarian interactions between men and women.

Learning Outcomes:

- Students will have developed a better understanding of important issues related to gender in contemporary India.
- Students will be sensitized to basic dimensions of the biological, sociological, psychological and legal aspects of gender. This will be achieved through discussion of materials derived from research, facts, everyday life, literature and film.
- Students will attain a finer grasp of how gender discrimination works in our society and how to counter it.
- Students will acquire insight into the gendered division of labour and its relation to politics and economics.
- Men and women students and professionals will be better equipped to work and live together as equals.
- Students will develop a sense of appreciation of women in all walks of life.
- Through providing accounts of studies and movements as well as the new laws that provide protection and relief to women, the textbook will empower students to understand and respond to gender violence.

Unit-I:

UNDERSTANDING GENDER:

Gender: Why Should We Study It? (*Towards a World of Equals: Unit -1*)

Socialization: Making Women, Making Men (*Towards a World of Equals: Unit -2*)

Introduction. Preparing for Womanhood. Growing up Male. First lessons in Caste. Different Masculinities.

Just Relationships: Being Together as Equals (*Towards a World of Equals: Unit -12*)

Mary Kom and Onler. Love and Acid just do not Mix. Love Letters. Mothers and Fathers. Further Reading: Rosa Parks-The Brave Heart.

Unit - II:

GENDER AND BIOLOGY:

Missing Women: Sex Selection and Its Consequences (*Towards a World of Equals: Unit -4*)

Declining Sex Ratio. Demographic Consequences.

Gender Spectrum: Beyond the Binary (*Towards a World of Equals: Unit -10*)

Two or Many? Struggles with Discrimination.

Additional Reading: Our Bodies, Our Health (*Towards a World of Equals: Unit -13*)

Unit - III:

GENDER AND LABOUR:

Housework: the Invisible Labour (*Towards a World of Equals: Unit -3*)

"My Mother doesn't Work." "Share the Load."

Women's Work: Its Politics and Economics (*Towards a World of Equals: Unit -7*)

Fact and Fiction. Unrecognized and Unaccounted work. Further Reading: Wages and Conditions of Work.

Unit - IV:

ISSUES OF VIOLENCE:

Sexual Harassment: Say No! (*Towards a World of Equals: Unit -6*)

Sexual Harassment, not Eve-teasing- Coping with Everyday Harassment- Further Reading: "Chupulu".

Domestic Violence: Speaking Out (*Towards a World of Equals: Unit -8*)

Is Home a Safe Place? -When Women Unite [Film]. Rebuilding Lives. Further Reading: New Forums for Justice.

Thinking about Sexual Violence (*Towards a World of Equals: Unit -11*)

Blaming the Victim-"I Fought for my Life...." - Further Reading: The Caste Face of Violence.

Unit - V:

GENDER STUDIES:

Knowledge: Through the Lens of Gender (*Towards a World of Equals: Unit -5*)

Point of View. Gender and the Structure of Knowledge. Further Reading: Unacknowledged Women Artists of Telangana.

Whose History? Questions for Historians and Others (*Towards a World of Equals: Unit -9*)

Reclaiming a Past. Writing other Histories. Further Reading: Missing Pages from Modern Telangana History.

Essential Reading: All the Units in the Textbook, "*Towards a World of Equals: A Bilingual Textbook on Gender*" written by A.Suneetha, Uma Bhrugubanda, Duggirala Vasanta, Rama Melkote, Vasudha Nagaraj, Asma Rasheed, Gogu Shyamala, Deepa Sreenivas and Susie Tharu.

Note: Since it is Interdisciplinary Course, Resource Persons can be drawn from the fields of English Literature or Sociology or Political Science or any other qualified faculty who has expertise in this field.

REFERENCE BOOKS:

1. Sen, Amartya. "More than One Million Women are Missing." New York Review of Books 37.20 (20 December 1990). Print. 'We Were Making History...' *Life Stories of Women in the Telangana People's Struggle*. New Delhi: Kali for Women, 1989.
2. Tripti Lahiri. "By the Numbers: Where Indian Women Work." *Women's Studies Journal* (14 November 2012). Available online at: <http://blogs.wsj.com/India/real-time/2012/11/14/by-the-numbers-where-Indian-women-work/>
3. K. Satyanarayana and Susie Tharu (Ed.) *Steel Nibs Are Sprouting: New Dalit Writing From South India, Dossier 2: Telugu And Kannada*. http://harpercollins.co.in/BookDetail.asp?Book_Code=3732
4. Vimala. "Vantillu (The Kitchen)". *Women Writing in India: 600 BC to the Present. Volume II: The 20th Century*. Ed. Susie Tharu and K. Lalita. Delhi: Oxford University Press, 1995. 599-601.
5. Shatrughna, Veena et al. *Women's Work and its Impact on Child Health and Nutrition*, Hyderabad, National Institute of Nutrition, Indian Council of Medical Research, 1993.
6. Stree Shakti Sanghatana. "*We Were Making History' Life Stories of Women in the Telangana People's Struggle*". New Delhi: Kali for Women, 1989.
7. Menon, Nivedita. *Seeing like a Feminist*. New Delhi: Zubaan-Penguin Books, 2012
8. Jayaprabha, A. "Chupulu (Stares)". *Women Writing in India: 600BC to the Present. Volume II: The 20th Century*. Ed. Susie Tharu and K. Lalita. Delhi: Oxford University Press, 1995. 596-597.
9. Javeed, Shayan and Anupam Manuhaar. "Women and Wage Discrimination in India: A Critical Analysis." *International Journal of Humanities and Social Science Invention* 2.4(2013)
10. Gautam, Liela and Gita Ramaswamy. "A 'conversation' between a Daughter and a Mother." *Broadsheet on Contemporary Politics*. Special Issue on *Sexuality and Harassment: Gender Politics on Campus Today*. Ed. Madhumeeta Sinha and Asma Rasheed. Hyderabad: Anveshi Research Center for Women's Studies, 2014.
11. Abdulali Sohaila. "*I Fought For My Life...and Won.*" Available online at: <http://www.thealternative.in/lifestyle/i-fought-for-my-lifeand-won-schaila-abdulali/>
12. Jeganathan Pradeep, Partha Chatterjee (Ed). "*Community, Gender and Violence Subaltern Studies XI*". Permanent Black and Ravi Dayal Publishers, New Delhi, 2000
13. K. Kapadia. *The Violence of Development: The Politics of Identity, Gender and Social Inequalities in India*. London: Zed Books, 2002
14. S. Benhabib. *Situating the Self: Gender, Community, and Postmodernism in Contemporary Ethics*, London: Routledge, 1992
15. Virginia Woolf. *A Room of One's Own*. Oxford: Black Swan, 1992.
16. T. Banuri and M. Mahmood. *Just Development: Beyond Adjustment with a Human Face*, Karachi: Oxford University Press, 1997



प्रो (बी) जसपाल एस. सन्धु
सचिव

Prof. Dr. Jaspal S. Sandhu
MBBS, MS (Ortho), DSM, FAIS, FASM, FAFSM, FFIMS, FAMS
Secretary



विश्वविद्यालय अनुदान आयोग
University Grants Commission

(मानव संसाधन विकास मंत्रालय, भारत सरकार)
(Ministry of Human Resource Development, Govt. of India)

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D.O No. 14-26/2015(CPP-II)

11th December, 2015

Dear Madam / Sir,

Sub : Awareness about ill-effects of Fireworks and upkeep of clean environment – reg

Our Planet is no longer the green planet we had inherited from our forefathers. Environmentalists and scientists have affirmed in no uncertain terms that a host of factors like uninhibited industrialization, unchecked urbanization, fossil fuel emissions etc. have done tremendous damage to the ecology and environment and humankind has to brace for the impact of greenhouse gas emissions and climate change. It is as a part of this effort that world leaders came together at COP21 in Paris recently and underscored preservation of environment as collective responsibility. In this context, I would like to draw your attention to the Supreme Courts' orders Civil Writ Petition No.728/2015 dated 16.10.2015 in which the apex court has expressed serious concerns over environmental health hazards and the toxic fallout that fireworks pose.

We know that the smoke from fireworks consists mainly of particulate matter that can enter lungs and severely affect people with asthma or multiple chemical sensitivity. Fireworks shows also spray out a toxic concoction of carcinogenic and hormone-disrupting substances that seep into soil and water. Still worse are the chemicals in fireworks that persist in environment and do not break down. On festive occasions, the levels of particulate matter in the air increases beyond the permissible levels. At a time when issues of climate change and global warming have captured international attention, we need to do all it takes to educate students about the severity of toxicity of fireworks so as to discourage their usage. May I request you to undertake following at your university departments and affiliated colleges.

- Include a module on ill-effects of fireworks in the paper of Environment Studies which has to be compulsorily studied by all students as per UGC's direction vide D.O. No. F.13-1/2000(EA/ENV/COS-I) dated 30th March, 2015
- Organize forums, discussions and presentations related to hazards of fireworks and ways of reducing them.
- Depute student groups and/or teachers to undertake educative workshops/lectures/ presentations in schools and colleges in surrounding areas.

It would be highly appreciated if the endeavours undertaken in this regard are communicated to the UGC at fireworks.ugc@gmail.com. Lets join hands to save our Planet.

With regards,

Yours sincerely,

Sd/-

(Jaspal S. Sandhu)

To the Vice Chancellors of all universities

Copy to for information:

The Publication Officer, Website Division, UGC, New Delhi.

(Jaspal S. Sandhu)



VARDHAMAN COLLEGE OF ENGINEERING
(AUTONOMOUS)

III/IV SEMESTER

ENVIRONMENTAL SCIENCE

Course Code: A3010

L T P C
3 1 0 3

Course Overview:

Environmental study is interconnected; interrelated and interdependent subject. Hence, it is multidisciplinary in nature. The present course is framed by expert committee of UGC under the direction of Honorable Supreme Court to be as a core module syllabus for all branches of higher education and to be implemented in all universities over India. The course is designed to create environmental awareness and consciousness among the present generation to become environmental responsible citizens. The course description is: multidisciplinary nature of environmental studies, Natural Resources: Renewable and non-renewable resources; Ecosystems; Biodiversity and its conservation; Environmental Pollution; Social Issues and the Environment; Human Population and the Environment; pollution control acts and Field Work. The course is divided into five chapters for convenience of academic teaching followed by field visits.

Prerequisite(s):

| Level | Credits | Periods / Week | Prerequisites |
|-------|---------|----------------|-----------------------|
| UG | 3 | 3 | Engineering Chemistry |

Course Objectives:

- I. Natural resources provide the base on which the structure of development is raised for sustainability of the society through equitable maintenance of natural resources.
- II. Biodiversity raises an appreciation and deeper understanding of species, ecosystems and the interconnectedness of the living world and thereby avoids the mismanagement, misuse and destruction of biodiversity.
- III. A methodology for identification, assessment and quantification of global environmental issues. Create awareness about the international conventions for mitigating global environmental problems.
- IV. Sustainable development aims to meet human needs while preserving the environment so that these needs can be met not only in the present, but also for generations to come
- V. Green environmental issue provides an opportunity to overcome the current global Environmental issues by implementing modern techniques like CDM, green building, green computing etc.

Course Outcomes:

After completing this course, the student will be able to:

1. Apply Knowledge regarding environment and its components.
2. Understand various ecosystems, their biodiversity and Scientific methods to protect them.
3. Comprehend different types of pollutions and their control measures.
4. Enhance their ability for effective methods of waste management.
5. Understand about global environmental problems and come out with best possible solutions.
6. Increase Knowledge about Green environmental issues.
7. Create awareness about environmental laws, Environmental Impact assessments.

Syllabus

UNIT - I: ENVIRONMENTAL SCIENCE INTRODUCTION AND NATURAL RESOURCES (09 Lectures)

INTRODUCTION: Multidisciplinary nature of Environmental Studies: Definition, Scope and Importance
.Need for Public Awareness.

NATURAL RESOURCES: Renewable and non-renewable resources .Natural resources and associated problems: **Forest RESOURCES: Use** and over – exploitation, deforestation, Timber extraction, Mining, dams and other effects on forest and tribal people.

WATER RESOURCES: Use and over utilization of surface and ground water, floods, drought, conflicts over water, dams – benefits and problems.

MINERAL RESOURCES: Use and exploitation, environmental effects of extracting and using mineral resources.

FOOD RESOURCES: World food problems, changes caused by agriculture and overgrazing, effects of modern agriculture, fertilizer-pesticide problems, water logging, salinity.

ENERGY RESOURCES: Growing energy needs, renewable and non-renewable energy sources, use of alternate energy sources, Case studies.

LAND RESOURCES: Land as a resource, land degradation, man induced landslides, soil erosion and desertification. Role of an individual in conservation of natural resources.

UNIT- II : ECOSYSTEM AND BIODIVERSITY (08 Lectures)

ECOSYSTEMS : Concept of an ecosystem. Structure and function of an ecosystem. Producers, consumers and decomposers. Energy flow in the ecosystem. Ecological succession. Food chains, food webs and ecological pyramids. Introduction, types, characteristic features, structure and function of the following ecosystem: Forest ecosystem ,grassland ecosystem ,desert ecosystem, aquatic ecosystems

BIODIVERSITY AND ITS CONSERVATION: Introduction .Definition: genetic, species and ecosystem diversity. Value of **BIODIVERSITY:** consumptive use, productive use, social, ethical, aesthetic and option values . Biodiversity at global, National and local levels. India as a mega diversity nation .Hot-spots of biodiversity. Threats to biodiversity- habitat loss, poaching of wildlife, man -wildlife conflicts.

Endangered and endemic species of India .Conservation of biodiversity- In-situ and Ex-situ conservation of biodiversity.

UNIT - III ENVIRONMENTAL POLLUTION, GLOBAL ENVIRONMENTAL ISSUES AND CONTROL MEASURES
(11 Lectures)

ENVIRONMENTAL POLLUTION : Definition, Cause, effects and control measures of air pollution ,water pollution, soil pollution ,marine pollution ,noise pollution ,thermal pollution and nuclear hazards
III-Effects of fire Works.

SOLID WASTE MANAGEMENT : Causes, effects and control measures of urban and industrial wastes. Role of an individual in prevention of pollution. Pollution case studies.

DISASTER MANAGEMENT: floods, earthquake, cyclone and landslides. E-waste and plastic waste-recycling and reuse

WATER CONSERVATION: rain water harvesting, watershed management. Resettlement and rehabilitation of people; its problems and concerns. Case Studies. Climate change, global warming, acid rain, ozone layer depletion, nuclear accidents and holocaust. Case Studies.

UNIT- IV: GREEN ENVIRONMENTAL ISSUES
(07 Lectures)

Introduction : Clean development mechanism, carbon foot printing, carbon credits, carbon sequestration, polluter pay principle. Green building practices. Approaches to green computing and nanotechnology. ISO14000. Role of information Technology in Environment and human health. Case Studies

UNIT – V: ENVIRONMENTAL ETHICS, ENVIRONMENTAL IMPACT ASSESMENT & ROLE OF NGOs.
(07 Lectures)

ENVIRONMENTALETHICS: Environment Protection Act. -Air (Prevention and Control of Pollution) Act. - Water (Prevention and control of Pollution) Act -Wildlife Protection Act -Forest Conservation Act -Issues involved in enforcement of environmental legislation. Public awareness.

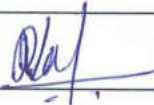

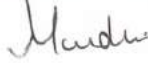
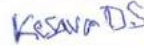


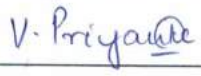

ENVIRONMENTAL IMPACT ASSESSMENT: Conceptual facts of EIA, Baseline data acquisition, planning and management of impact studies, operational aspects of EIA, methods for impact identification, prediction of impacts (air, water, noise, soil, biological and socio- economics). Environmental Management Plan. Role Of NGOs in creating awareness among people regarding environmental issues.

TEXT BOOK

1. Erach Bharucha (2005) Textbook of Environmental Studies for Undergraduate Courses, Hyderabad, Universities Press.
2. Benny Joseph (2005) Environmental Studies, New Delhi, Tata McGraw Hill Publishing co. Ltd.

REFERENCE BOOK

1. Anubha Kaushik (2006) **Perspectives** in Environmental Science, 3rd Edition, New Delhi, New age international.
2. M Anji Reddy (2007) Textbook of Environmental Sciences and Technology, Hyderabad, BS Publications.

| | | | |
|----|---------------------|-----------------|--|
| 1 | Dr. P Sarah | Chairperson |  |
| 2 | Dr V Parvathi | JNTUH Nominee | LOA |
| 3 | Dr.M.Chandrasekhar | JNTUH Nominee | LOA |
| 4 | Dr N Sharada | Subject Expert |  |
| 5 | Dr K Madhavi | Subject Expert |  |
| 6 | Dr.D.S.Kesava Rao | Subject Expert |  |
| 7 | Dr CH Shashikala | Subject Expert |  |
| 8 | Mr.C.Praveen Kumar | Subject Expert |  |
| 9 | Ms.V.Priyanka | Subject Expert |  |
| 10 | Mr Chaithanya Vaddi | Industry Expert | Chaitu |
| 11 | Dr.Gopal Krishna | Industry Expert |  |



VARDHAMAN COLLEGE OF ENGINEERING

(Autonomous)

Shamshabad – 501 218, Hyderabad

MINUTES OF

THE THIRD MEETING OF THE JOINT BOARD OF STUDIES WAS HELD AT 10.30 AM ON 30TH AUGUST, 2014 (SATURDAY) IN THE BOARD ROOM (BLOCK 5)

Dr. S Sai Satyanarayana Reddy, Chairperson of the Joint Board of Studies of Vardhaman College of Engineering (Autonomous), Hyderabad presided over the meeting. All the 25 internal members and 38 out of 39 external members were present. The following members were absent

1. Mr. Praveen Gaidhane, Industry Expert, BOS - MBA

WELCOME ADDRESS BY THE CHAIRMAN

The Principal and Chairman of the Joint Board of Studies Dr. S Sai Satyanarayana Reddy, welcomed all the members and requested the members to introduce themselves. He explained that the Board of studies of various branches are constituted as per the guidelines of UGC. Principal conveyed his heart-felt thanks to external members and then presented the detailed Agenda Notes.

1. **To recommend and ratify the academic regulations for four year B. Tech. degree courses – Regulations – R14**

Principal presented the academic regulations for four year B. Tech. Degree courses to the members present. After a detailed discussion he urged the board to ratify the academic regulations for Four year B. Tech. degree courses – Regulations – R14 as furnished in Annexure – I.

Resolution: The members resolved to ratify the academic regulations for Four year degree courses – Regulations – R14 as given in Annexure – I.

2. **To recommend and ratify the Course Structure and syllabi for I and II Semester B. Tech. Regulations – R14**

Principal presented the course structure and detailed syllabi for I and II semesters of four year B.Tech. Degree courses to the members present. He urged the board to ratify the Course Structure and syllabi for I and II semester Four year B. Tech. degree courses regulations R11 as furnished in Annexure – II.

After detailed discussion, in the meeting of Joint Board of Studies the members have decided to have the following pattern of courses for different branches of four year B.Tech degree program:

1. Technical English (common for all Branches)
2. Engineering Physics (common for all Branches)
3. Engineering Chemistry (common for all Branches)
4. Mathematics – I (common for all Branches)
5. Mathematics – II (common for all Branches)
6. Probability Theory and Numerical Methods (CSE/IT/EEE/CE)
7. Numerical Methods (ECE/ME)
8. Electronic Devices and Circuits (CSE/ IT)
9. Computer Programming (common for all Branches)
10. Data Structures through C (CSE/ IT/ ECE/ EEE)
11. Basic Electrical Engineering (CSE/IT/ECE/EEE)
12. Electronic devices (ECE/ EEE)
13. Basic Electronics (ME/CE)
14. Engineering Mechanics - I (ME/CE)
15. Engineering Mechanics-II (ME/CE)
16. Engineering Drawing-I (ME/CE)
17. Engineering Drawing-II (ME/CE)
18. Computer Programming Lab (common for all Branches)
19. English Language Communication Skills Lab (common for all Branches)
20. Engineering Physics and Engineering Chemistry Lab (common for all Branches)
21. IT Workshop Lab (CSE/IT)
22. Data Structures through C Lab (CSE/IT/ECE/EEE)
23. Electronic Devices and Circuits Lab (CSE/IT)
24. Computer Aided Engineering Drawing Lab (ECE/EEE)
25. Electronic Devices Lab (ECE/EEE)
26. Engineering Workshop Practice Lab (ME/CE)

For effective utilization of the resources and facilities the above courses may be floated as shown below:

| Theory Courses | | | |
|----------------|-----------------------|-----------------------|---------------------------|
| S. No | SUBJECT NAME | I SEMESTER | II SEMESTER |
| 1 | Technical English | CSE/IT/ EEE | ECE/ ME/ CE |
| 2 | Engineering Physics | ECE/ ME/ CE | CSE/ IT/ EEE |
| 3 | Engineering Chemistry | ECE/ ME/ CE | CSE/ IT/ EEE |
| 4 | Mathematics – I | CSE/ IT/ECE/EEE/ME/CE | |
| 5 | Mathematics – II | | CSE/ IT/ ECE/ EEE/ ME/ CE |

| | | | |
|--------------------------|---|-----------------------|--------------------|
| 6 | Probability Theory And Numerical Methods | CSE/ IT/ EEE | CE |
| 7 | Numerical Methods | | ECE/ ME |
| 8 | Electronic Devices and Circuits | | CSE/ IT |
| 9 | Computer Programming | CSE/ IT/ECE/EEE/ME/CE | |
| 10 | Data Structures through C | | CSE/ IT/ ECE/ EEE |
| 11 | Basic Electrical Engineering | CSE/ IT/ ECE/ EEE | |
| 12 | Electronic devices | | ECE/ EEE |
| 13 | Basic Electronics | | ME/CE |
| 14 | Engineering Mechanics-I | ME/ CE | |
| 15 | Engineering Mechanics-II | | ME/ CE |
| 16 | Engineering Drawing-I | ME/CE | |
| 17 | Engineering Drawing-II | | ME/CE |
| Practical Courses | | | |
| S. No | SUBJECT NAME | I SEMESTER | II SEMESTER |
| 1 | Computer Programming Lab | CSE/IT/ECE/EEE/ME/CE | |
| 2 | English Language Communication Skills Lab | CSE/IT/EEE | ECE/ME/CE |
| 3 | Engineering Physics & Engineering Chemistry Lab | ECE/ME/CE | CSE/IT/EEE |
| 4 | IT Workshop Lab | CSE/IT | |
| 5 | Data Structures Through C Lab | | CSE/IT/ECE/EEE |
| 6 | Electronic Devices and Circuits Lab | | CSE/IT |
| 7 | Computer Aided Engineering Drawing Lab | ECE/EEE | |
| 8 | Electronic Devices Lab | | ECE/EEE |
| 9 | Engineering Workshop Practice Lab | | ME/ CE |

Resolution: The members resolved to ratify the Course Structure and syllabi for I and II semester Four year B. Tech. degree courses regulations – R14 as given in Annexure – II.

Syllabi of III, IV, V and VI semesters subjects offered in the disciplines of Freshman Engineering.

Non-Engineering subjects offered in III, IV, V and VI semesters of B.Tech by faculty members of

1. Mathematics – III
2. Managerial Economics and Financial Analysis
3. Environmental Science
4. Probability and Statistics
5. Entrepreneurship
6. Management Science
7. Professional Ethics and Intellectual Property Rights
8. Human Resource Management
9. Business Communication
10. Project Planning and Management
11. Organizational Behaviour

Syllabi of the following subjects were presented and discussed.

| S. No | Subject | Semester | Branch (s) |
|-------|--|---------------|---------------|
| 1 | Mathematics – III | III Semester | ECE,EEE |
| 2 | Managerial Economics and Financial Analysis | III Semester | CSE,IT,EEE,CE |
| | | IV Semester | ECE,ME |
| 3 | Environmental Science | III Semester | ECE,ME,CE |
| | | IV Semester | CSE,IT,EEE |
| 4 | Management Science | VI Semester | CSE,IT,ECE |
| | | V Semester | ME |
| | | VII Semester | EEE,CE |
| 5 | Probability and Statistics | VI Semester | ME |
| 6 | Entrepreneurship | VI Semester | CSE,IT,ECE |
| | | VII Semester | EEE,ME |
| 7 | Professional Ethics and Intellectual Property Rights | VIII Semester | CSE,IT,ME,CE |
| | | VI Semester | ECE,EEE |
| 8 | Human Resource Management | VI Semester | CSE,IT,ECE |
| | | VII Semester | EEE,ME,CE |
| 9 | Business Communication | VI Semester | CSE,IT,ECE |
| | | VII Semester | EEE,ME,CE |
| 10 | Project Planning and Management | VI Semester | CSE,IT,ECE |
| | | VII Semester | EEE,ME,CE |
| 11 | Organizational Behaviour | VI Semester | CSE,IT,ECE |
| | | VII Semester | EEE,ME,CE |

Members of respective disciplines recommended syllabi of the above subjects (Annexure –III).

3. COURSE STRUCTURE

Every programme of study shall be designed to have 42 - 45 theory courses and 14 - 16 laboratory courses.

The Programme of instruction consists of:

- (i) A general core programme comprising Basic Sciences, Mathematics, Basic Engineering, Humanities, Social Sciences and Management.
- (ii) An Engineering Core programme imparting to the student the fundamentals of engineering in the branch concerned.
- (iii) An elective programme enabling the students to take up a group of departmental and interdepartmental courses of interest to him / her.

In addition, a student has to carry out a mini project, project work, technical seminar and comprehensive viva.

Every course of the B Tech programme will be placed in one of the ten groups of courses with minimum credits as listed in the Table 2.

Note: All components prescribed in the curriculum of any programme of study shall be conducted and evaluated.

Contact Periods: Depending on the complexity and volume of the course the number of contact periods per week will be assigned.

Table 2: Group of Courses

| S. NO | GROUP OF COURSES | CATEGORY | MINIMUM CREDITS |
|-------|--|----------|-----------------|
| 1 | Humanities, Social Sciences and Management | HS | 14 |
| 2 | Basic Sciences | BS | 26 |
| 3 | Basic Engineering | BE | 32 |
| 4 | Core Engineering | CE | 114 |
| 5 | Professional Elective | PE | 12 |
| 6 | Inter Departmental Elective | IE | 08 |
| 7 | Mini Project | MP | 02 |
| 8 | Technical Seminar | TS | 02 |
| 9 | Comprehensive Viva | CV | 02 |
| 10 | Project Work | PW | 08 |
| TOTAL | | | 220 |

4. Panel of examiners / paper setters for regulations – R14

Chairman proposed the following guidelines to prepare the panels for question paper setting.

4.1 Panels for Questions paper setting:

For non – engineering subjects, the panels of paper setters are to be prepared by the coordinators for concerned subjects, to be nominated by the chairperson of the Joint Board of Studies (BOS)

In the case of engineering subjects, the panels of paper setters are to be prepared by the chairperson of BOS concerned.

These panels are to be sent to the Controller of Examinations (COE).

COE has to arrange for Question Paper Setting in each subject, by choosing any two paper setter (two sets each) from the panel of paper setters for that subject, with the approval of the Principal.

To expedite the work, the COE, may select the paper setters, from outside the panel, by satisfying the norms given below, with the permission of the Principal.

- a. The paper setter should be from the same specialization of study, for that subject.
- b. Normally, the paper setter should not be below the cadre of an Associate Professor from any engineering college, within and outside the state of Telangana.
- c. In the case of the paper setter being of the cadre of Assistant Professor the prescribed minimum teaching experience is five years.

Resolution: Members discussed and unanimously recommended the above.

4.2 Model Question Paper:

Model question paper for each subject, is to be prepared and sent to the COE, to be made available to the paper setter, in that subject, for serving as guidelines for paper setting.

For non – engineering subjects, the model question papers are to be prepared by the coordinators for concerned subjects, to be nominated by the chairperson of the Joint Board of studies (BOS).

In the case of engineering subjects, the model question papers are to be prepared by the coordinators for concerned subjects, to be nominated by the chairperson of BOS concerned.

Resolution: Members discussed and unanimously recommended the above.

5. To discuss and recommend the pattern of evaluation

Chairman proposed the following procedure for the evaluation of end examination answer scripts.

5.1 Evaluation of Answer Scripts:

All the answer scripts shall be shuffled subject wise and coded before they are sent for valuation.

The theory papers of end-semester examination should be evaluated both by internal examiner and external examiner. The first valuation of the answer scripts should be done by the internal faculty, teaching the subject. The second evaluation should be done by an examiner faculty outside the college. List of experts for second valuation, is to be finalized by the COE, with the approval of the Principal.

In case of non-availability of the concerned internal faculty, the COE, with the permission of the Principal, may assign the evaluation work to a competent faculty member.

For the external evaluation, the COE, may approach the Head of any Engineering college(s), within or outside the state, preferably away from the region, with a request to co-ordinate the evaluation work. The Head of the Institution(s), may in turn, entrust the evaluation work to a Coordinator.

The Coordinator may specifically be requested, to follow the guidelines given below, while selecting the paper valuers.

- a. The evaluator, must have taught the subject, at least once.
- b. Normally, the evaluator should not be below the cadre of an Associate Professor from any engineering college, within and outside the state of Telangana.
- c. In the case of the evaluator being of the cadre of Assistant Professor the prescribed minimum teaching experience is five years.

After obtaining the evaluation marks, the COE has to finalize the marks as per the following guidelines.

- a. If the second valuation marks are lower than the first valuation marks, and the difference between the two, is 14 (fourteen) or less, the first valuation (original) marks obtained by the candidate are to be retained, without any change.
- b. If the second valuation marks are more than the first valuation marks and the difference between the two, is 14 (fourteen) or less, the second valuation marks are to be awarded to the candidate, in that subject.
- c. If the difference of marks between the second valuation and first valuation is above 14 (fourteen), the answer script is to be sent by the COE with the approval of the Principal, to the chief examiner of the concerned subject, other than the first two examiners. After valuation by the chief examiner, the marks awarded by the chief examiner are final.

5.2 Examiners for Practical Examinations:

For all the laboratories, the examinations are to be conducted by the faculty drawn from outside the college, as per the guidelines given below:

- In case of non-engineering subjects, the chairperson of joint BOS, can appoint the examiners for conducting practical examinations.
- In case of engineering subjects, the concerned chairperson of BOS, can appoint the examiners for conducting practical examination.

The panel of external examiners consisting of 6 examiners, for Practicals / Project Work Comprehensive Viva is to be prepared by the chairperson of the concerned BOS, and sent to the COE.

The COE, has to appoint one examiner from the panel submitted, with the approval of the Principal. In case of refusal/no response, another examiner from the panel is to be appointed by the COE, with the approval of the Principal. The same process is to be repeated, till the panel is exhausted. The COE, then, has to obtain another panel of

examiners from the concerned chairperson of BOS, and repeat the process to conduct the examination as per schedule.

Resolution: Members discussed and unanimously recommended the above.

6. METHOD OF EVALUATION

The performance of a student in each semester shall be evaluated subject-wise with a maximum of 100 marks each for theory and 75 marks for practical / computer aided engineering drawing lab. In addition, mini-project, technical seminar, comprehensive viva and project work shall be evaluated for 50, 50, 50 and 200 marks respectively.

6.1 Theory Courses

The evaluation of the students in a course is a continuous process and is based on their performance in different examinations as mentioned below:

| | |
|--------------------------|----------|
| Mid Semester Test | 20 Marks |
| Online Objective Test | 05 Marks |
| End Semester Examination | 75 Marks |

6.1.1. Mid Semester Test

There will be two Mid Semester Tests in theory courses for a maximum of 20 marks to be answered in two hours duration. The first Mid Semester Test will be held in the 09th week with the announced schedule in the first two units of syllabus. The second Mid Semester Test will be held in the 18th week with the announced schedule in the last three units of syllabus. In case a student does not appear in the Mid Semester Test due to any reason whatsoever, will get zero marks(s).

6.1.2. Online Objective Test

There will be one Online Objective Test in Theory Courses for a maximum of 05 marks to be answered in half an hour duration. The Online Objective Test will be held in the 18th week with the announced schedule in all the units of syllabus. In case a student does not appear in the Online Objective Test due to any reason whatsoever, will get zero marks(s).

6.1.3. End Semester Examination

The end semester examination question paper in theory courses will be for a maximum of 75 marks to be answered in three hours duration. There shall be two questions of descriptive type from each unit with internal choice. Each question carries 15 marks. Each theory course shall consist of five units of syllabus.

The question paper shall be set externally and valued both internally and externally. If the difference between the first and second valuations is less than or equal to 15% of the maximum of the paper the better of the two valuations shall be awarded and if the difference between the first and second valuation is more than 15%, the chief examiner appointed has to discuss with the two valuers and have his own assessment of the script. The marks given by the chief examiner shall be final for award.

6.2 PRACTICALS

Practicals shall be evaluated for 75 marks, out of which 50 marks are for external examination and 25 marks are for internal evaluation. The 25 internal marks are distributed as 15 marks for day-to-day work/attendance and 10 marks for internal examination. The external end - examination shall be conducted by the teacher concerned and an external examiner from outside the college.

12 out of 14 to 16 experiments / exercises recommended are to be completed in a semester.

6.3. For Engineering Drawing, Advanced Engineering Drawing and Machine Drawing the distribution shall be 25 marks for internal evaluation (15 marks for day-to-day work/attendance and 10 marks for internal tests) and 75 marks for end examination. There shall be two internal evaluations in a semester and the average of the two internal evaluations is considered for the award of marks for internal marks.

6.4. The Computer Aided Engineering Drawing Lab, Computer Aided Aircraft Engineering Drawing Lab wherever offered is to be treated as a practical subject. Evaluation method adopted for practical subjects shall be followed here as well.

6.5 Mini Project

The mini project in an industry shall be carried out during the summer break for a minimum of 4 weeks after the VI Semester and completed before the start of the VII semester. A report has to be submitted for assessment to an internal evaluation committee comprising Head of the Department or his / her nominee and two faculty of the department including the project supervisor for 50 marks. A minimum of 40% of maximum marks shall be obtained to earn the corresponding credits. The mini project and its report shall be evaluated in VII semester.

6.6 Technical Seminar

The seminar shall have two components, one chosen by the student from the course-work without repetition and approved by the faculty supervisor. The other component is suggested by the supervisor and can be a reproduction of the concept in any standard research paper or an extension of concept from earlier course work. A hard copy of the information on seminar topic in the form of a report is to be submitted for evaluation along with presentation. The presentation of the seminar topics shall be made before an internal evaluation committee comprising the Head of the Department or his/her nominee, seminar supervisor and a senior faculty of the department. The two components of the seminar are distributed between two

halves of the semester and are evaluated for 50 marks each. The average of the two components shall be taken as the final score. A minimum of 40% of maximum marks shall be obtained to earn the corresponding credits.

6.7. **Comprehensive Viva**

The comprehensive Viva will be conducted by a committee comprising Head of the Department or his/her nominee, two senior faculty of the respective department and an external examiner from outside the college. This is aimed at assessing the student's understanding of various subjects studied during the entire program of 4 years. The comprehensive viva shall be evaluated for 50 marks at the end of VIII semester. A minimum of 40% of maximum marks shall be obtained to earn the corresponding credits.

6.8. **Project Work**

The project work shall be evaluated for 200 marks out of which 50 marks for internal evaluation and 150 marks for end-semester evaluation. The project work shall be spread over in VII semester and in VIII semester. The project work shall be somewhat innovative in nature, exploring the research bent of mind of the student. A project batch shall comprise of not more than four students.

At the end of VII semester, students should submit synopsis summarizing the work done in VII semester. The project is expected to be completed by the end of VIII semester.

In VIII semester a mid-course review is conducted by Head of the Department and the project supervisor on the progress for 25 marks. On completion of the project a second evaluation is conducted for award of internal marks of another 25 marks before the report is submitted making the total internal marks 50. The end semester examination shall be based on the report submitted and a viva-voce exam for 150 marks by committee comprising of the Head of the Department, project supervisor and an external examiner. A minimum of 40% of maximum marks shall be obtained to earn the corresponding credits.

Resolution: Members discussed and unanimously recommended the above pattern of evaluation.

7. **Constitution of Results Committee:**

It is proposed to constitute the results committee with the following composition:

| | | |
|---|--|-----------------|
| ➤ | Principal | Chairman |
| ➤ | Controller of Examinations | Convener |
| ➤ | JNTUH Nominee | Member |
| ➤ | Government Nominee | Member |
| ➤ | Controller of Examinations (JNTUH) | Member |
| ➤ | One external member from any engineering college | Member |

From the state, or JNTUH, Hyderabad (not below the cadre of Professor)

- | | |
|---|--------|
| ➤ Additional Controller of Examinations | Member |
| ➤ One Senior Faculty of the college | Member |

Resolution: Members discussed and unanimously authorized the result committee to take up special moderation, general moderation and moderation of marks at the time of award of final degree in case the student fails to secure FIRST class degree.

8. Personal Identification:

Personal identification is permitted, in case (for theory subjects only), where the candidate applies for the same, with necessary prescribed fee, within two weeks from the date of issue of marks memo.

For personal identification purpose the candidate is allowed to examine the photocopy of the valued answer script, with marks hidden. The candidate is not permitted to be accompanied by any other person or persons, for personal identification. The role of the candidate, in Personal identification, is limited to identifying the answer script whether it belongs to him / her. There shall be no revaluation under any circumstance.

Resolution: Members unanimously recommended the same.

9. Storage of Internal and External Answer Scripts:

All the Answer Scripts of Internal and External Examinations of a academic year will be stored for a period of 4 years. All scripts will be disposed thereof.

Resolution: Members unanimously recommended the same.

10. Process To Transfer From One College To Another College In JNT/Other University:

- First the student need to consult their respective college principal & inform about the transfer of the college (student need to inform the college name & also under which JNT/Other University region that particular college comes under)
- The student need to get the no objection letter from their respective college and forward the request to the concerned JNTU/Other university.

NOTE : students can transfer to any other college during his academic course only if there is a vacant seat in the college where the student want to transfer (But they cant shift their branch to any other branch)

- If once the concerned university accepts the transfer of college, then all the details like internals marks, external marks etc will be transferred to the new JNTU/Other university.

- The student needs to pay the complete fee in their old college before transferring to the new college.

Resolution: Members unanimously recommended the same.

11. ATTENDANCE REQUIREMENTS TO APPEAR FOR THE SEMESTER-END EXAMINATION

- 11.1. A student shall be eligible to appear for semester-end examinations if he acquires a minimum of 75% of attendance in aggregate of all the subjects in a semester.
- 11.2. Condonation of shortage of attendance in aggregate upto 10% (65% and above and below 75%) in each semester may be granted by the College Academic Committee.
- 11.3. Shortage of attendance below 65% in aggregate shall in no case be condoned.
- 11.4. The shortage of attendance shall not be condoned more than four times during the entire course.
- 11.5. Students whose shortage of attendance is not condoned in any semester are not eligible to take their semester-end examination of that class and their registration shall stand cancelled.
- 11.6. A student will not be promoted to the next semester unless he satisfies the attendance requirements of the current semester. The student may seek readmission for the semester when offered next. He will not be allowed to register for the subjects of the semester while he is in detention. A student detained due to shortage of attendance, will have to repeat that semester when offered next.
- 11.7. A stipulated fee shall be payable towards condonation of shortage of attendance to the College.
- 11.8. Attendance may also be condoned as per the recommendations of academic council for those who participate in prestigious sports, co-curricular and extra-curricular activities provided as per the Govt. of Telangana norms in vogue.

Resolution: Members unanimously recommended the same.

12. ACADEMIC REQUIREMENTS FOR PROMOTION / COMPLETION OF REGULAR B.TECH PROGRAMME OF STUDY

The following academic requirements have to be satisfied in addition to the attendance requirements for promotion / completion of regular B.Tech programme of study.

FOR STUDENTS ADMITTED INTO B.TECH. (REGULAR) PROGRAMME

- i. A student shall be deemed to have satisfied the minimum academic requirements for each theory, practical, design, drawing subject or project, if he secures not less than

35% of marks in the semester-end examination and a minimum of 40% of marks in the sum of the internal evaluation and semester - end examination taken together.

- ii. In case of mini project, technical seminar and comprehensive viva a student shall be deemed to have satisfied the minimum academic requirements and earned the credits allotted to each of them if he/she secures not less than 40% of marks.
- iii. In case of project work, a student shall be deemed to have satisfied the minimum academic requirements and earned the credits allotted if he/she secures not less than 40% of marks on the aggregate in the internal evaluation and external end-evaluation taken together.
- iv. A student shall be promoted from IV semester to V semester of programme of study only if he fulfills the academic requirement of securing 40 out of 80 credits from the regular examinations held up to the end of III semester including supplementary examinations held up to the end of IV semester.
- v. A student shall be promoted from VI semester to VII semester of programme of study only if he fulfills the academic requirements of securing 68 out of 136 credits, from the regular examinations held up to the end of V semester including supplementary examinations held up to the end of VI semester.
- vi. A student shall register for all the 220 credits and earn all the 212 credits. Marks obtained in all the 212 credits shall be considered for the award of the class based on aggregate of marks.
- vii. A student who fails to earn 212 credits as indicated in the course structure within eight academic years from the year of their admission shall forfeit their seat in B.Tech programme and their admission stands cancelled.
- viii. Students who are detained for want of attendance (or) who have not fulfilled academic requirements (or) who have failed after having undergone the course in earlier regulations (or) have discontinued and wish to continue the course are eligible for admission into the unfinished semester from the date of commencement of class work with the same (or) equivalent subjects as and when subjects are offered, and pursue the remaining course work with the academic regulations of the batch into which such students are readmitted. However, all such readmitted students shall earn all the credits of subjects they have pursued for completion of the course.

FOR LATERAL ENTRY STUDENTS (BATCHES ADMITTED FROM 2015–2016)

- i. A student shall be deemed to have satisfied the minimum academic requirements for each theory, practical, design, drawing subject or project if he secures not less than 35% of marks in the semester-end examination and a minimum of 40% of marks in the sum total of the internal evaluation and semester-end examination taken together.

- ii. In case of mini project, technical seminar and comprehensive viva a student shall be deemed to have satisfied the minimum academic requirements and earned the credits allotted to each of them if he/she secures not less than 40% of marks.
- iii. In case of project work, a student shall be deemed to have satisfied the minimum academic requirements and earned the credits allotted if he/she secures not less than 40% of marks on the aggregate in the internal evaluation and external end-evaluation taken together.
- iv. A student shall be promoted from VI semester to VII semester only if he fulfils the academic requirements of securing 42 out of 84 credits from the regular examinations held up to the end of V semester including supplementary examinations held up to the end of VI semester.
- v. A student shall register for all 168 credits and earn all the 160 credits. Marks obtained in all 160 credits shall be considered for the award of the class based on aggregate of marks.
- vi. A student who fails to earn 160 credits as indicated in the course structure within six academic years from the year of their admission shall forfeit their seat in B.Tech programme and their admission stands cancelled.
- vii. Students who are detained for want of attendance (or) who have not fulfilled academic requirements (or) who have failed after having undergone the course in earlier regulations (or) have discontinued and wish to continue the course are eligible for admission into the unfinished semester from the date of commencement of class work with the same (or) equivalent subjects as and when subjects are offered, and pursue the remaining course work with the academic regulations of the batch into which such students are readmitted. However, all such readmitted students shall earn all the credits of subjects they have pursued for completion of the course.

Resolution: Members unanimously recommended the same.

13. AWARD OF DEGREE

The degree will be conferred and awarded by Jawaharlal Nehru Technological University, Hyderabad on the recommendations of the Chairman, Academic Council.

13.1. FOR STUDENTS ADMITTED INTO B.TECH. (REGULAR) PROGRAMME

Eligibility: A student shall be eligible for the award of B.Tech Degree, if he fulfills all the following conditions:

- The candidate shall pursue a course of study for not less than four academic years and not more than eight academic years.
- Registered and successfully completed all the components prescribed in the programme of study to which he is admitted.

- The candidate shall register for 220 credits and secure at least 212 credits with compulsory subjects as listed in the Table below.

| Serial Number | Subject Particulars |
|---------------|--------------------------------|
| 1 | All First Year Theory Subjects |
| 2 | All practical subjects |
| 3 | Industry oriented mini project |
| 4 | Comprehensive Viva-voce |
| 5 | Seminar |
| 6 | Project work |

- Obtained not less than 40% of marks (minimum requirement for declaring as passed).
- Has no dues to the college, hostel, and library etc. and to any other amenities provided by the College.
- No disciplinary action is pending against him.

13.2. FOR LATERAL ENTRY STUDENTS (BATCHES ADMITTED FROM 2015–2016)

Eligibility: A student shall be eligible for the award of B.Tech. Degree, if he fulfills all the following conditions:

- The candidate shall pursue a course of study for not less than three academic years and not more than six academic years.
- Registered and successfully completed all the components prescribed in the programme of study to which he is admitted.
- The candidate shall register for 168 credits and secure at least 160 credits with compulsory subjects as listed in the Table below.

| Serial Number | Subject Particulars |
|---------------|--------------------------------|
| 1 | All practical subjects |
| 2 | Industry oriented mini project |
| 3 | Comprehensive Viva-voce |
| 4 | Seminar |
| 5 | Project work |

- Obtained not less than 40% of marks (minimum requirement for declaring as passed).

- Has no dues to the college, hostel, and library etc. and to any other amenities provided by the College.
- No disciplinary action is pending against him.

Resolution: Members unanimously recommended the same.

13.3. AWARD OF CLASS

After a student has satisfied the requirement prescribed for the completion of the programme and is eligible for the award of B.Tech Degree he shall be placed in one of the following four classes Shown in Table 4:

Table: Declaration of Class is based on percentage of marks to be secured

| Class Awarded | Percentage of Marks to be Secured | From the aggregate marks secured for the 220 Credits. |
|------------------------------|-----------------------------------|---|
| First Class with Distinction | 70% and above | |
| First Class | Below 70% but not less than 60% | |
| Second Class | Below 60% but not less than 50% | |
| Pass Class | Below 50% but not less than 40% | |
| Fail | Below 40% | |

Sometimes, it is necessary to provide equivalence of percentages and/or Class awarded with *Grade Point Average (GPA)*. This shall be done by prescribing certain specific thresholds in averages for *Distinction, First Class and Second Class*, as in Table 5.

Table: Percentage Equivalence of Grade Points (For a 10-Point Scale)

| Grade Points (GP) | Percentage of Marks |
|-------------------|---------------------|
| 4.75 | ≥ 40 and < 45 |
| 5.25 | ≥ 45 and < 50 |
| 5.75 | ≥ 50 and < 55 |
| 6.25 | ≥ 55 and < 60 |
| 6.75 | ≥ 60 and < 65 |
| 7.25 | ≥ 65 and < 70 |
| 7.75 | ≥ 70 and < 75 |
| 8.25 | ≥ 75 and < 80 |

| | |
|------|----------------------|
| 8.75 | ≥ 80 and < 85 |
| 9.25 | ≥ 85 and < 90 |
| 9.75 | ≥ 90 and < 95 |
| 10 | ≥ 95 |

Resolution: Members unanimously recommended the same.

14. To recommend and ratify the academic regulations, Course Structure and Syllabi for Two year M. Tech (Computer Science and Engineering, Software Engineering, Digital Electronics and Communication Systems, Embedded Systems, Power Electronics and Electric Drives, Engineering Design & Structural Engineering) degree courses – Regulations – R14

Principal presented the academic regulations, course structure and syllabi for two year M. Tech (CSE, SE, DECS, ES, PEED, ED & SE) degree courses to the members present. After a detailed discussion he urged the board to ratify the academic regulations for two year M. Tech. degree courses – Regulations – R14.

Resolution: The members resolved to ratify the academic regulations, course structure and syllabi for two year M.Tech (CSE, SE, DECS, ES, PEED, ED & SE) degree courses – Regulations – R14.

15. Any other Item:

Principal proposed the course structure of B. Tech III, IV, V, VI, VII and VIII B. Tech for approval.

Resolution: Members resolved to discuss in the board of studies of the concerned department.

The meeting concluded with thanks to the Chair.


CHAIRPERSON – JOINT BOARD OF STUDIES





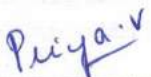
VARDHAMAN COLLEGE OF ENGINEERING
(AUTONOMOUS)

Shamshabad – 501 218, Hyderabad

Department of Freshman Engineering

List of BOS Members

| S.No | Name of the BOS Member | Designation | Signature |
|------|--------------------------------------|---|--------------|
| 1 | Dr Y N Reddy (Mathematics) | Professor NIT Warangal | |
| 2 | Dr B.Ravindra Reddy (Mathematics) | Assistant Professor JNTU Karimnagar | Breddy |
| 3 | Dr N.Kishan (Mathematics) | Associate Professor Osmania University | |
| 4 | Ms V Kavitha (Mathematics) | Associate Professor VCE | |
| 5 | Dr.K.Venugopal Reddy (Physics) | Professor, NIT Warangal | |
| 6 | Dr.Laxmi Narasaiah (Physics) | Professor BVRIT | |
| 7 | Dr.B Gopal Krishna (Physics) | Industrialist Wipro | |
| 8 | Dr.B.Venkateshwarlu (Physics) | Assistant Professor VCE | |
| 9 | Dr B Satyana Narayana (Chemistry) | Assistant Professor JNTU Karimnagar | |
| 10 | Dr V Jagannadham (Chemistry) | Professor Osmania University | |
| 12 | Dr V N Mani (Chemistry) | Scientist CMET Hyderabad | |
| 13 | Mrs.K.Jyothsna Subject Expert | Assistant Professor VCE | |
| 14 | Dr V Parvathi (English) | Professor and Head JNTUH | 30/08/14 |
| 15 | Dr N Sharada (English) | Assistant Professor EFLU, Hyderabad | 30/8/14 |
| 16 | Dr K Madhavi (English) | Associate Professor NIT Warangal | 30/08/14 |
| 17 | Mr Chaithanya Vaddi (English) | HR Head NETXCELL | 30/8/14 |

| S.No | Name of the BOS Member | Designation | Signature |
|------|---|----------------------------|---|
| 18 | Mr C.Praveen Kumar (Subject Expert) | Associate Professor VCE |  |
| 19 | Dr CH Shashikala (Environmental Science) | Professor JNTUH |  |
| 20 | Mrs V Priyanka (Environmental Science) | Assistant Professor VCE |  |


Chairperson



VARDHAMAN COLLEGE OF ENGINEERING

(Autonomous)

Shamshabad – 501 218, Hyderabad

MINUTES OF

THE SECOND MEETING OF THE JOINT BOARD OF STUDIES WAS HELD AT 10.30 AM ON
31 AUGUST, 2013 (SATURDAY) IN THE BOARD ROOM, EXAMINATIONS CONTROL OFFICE
(BLOCK 1)

Dr J V R Ravindra, Chairperson of the Joint Board of Studies of Vardhaman College of Engineering (Autonomous), Hyderabad presided over the meeting. All the 42 internal members and 40 out of 49 external members were present. The following members were absent

1. Dr. L. Pratap Reddy, JNTUH Nominee, BOS – ECE
2. Mr. N. Narasimha Rao, BOS – ECE

WELCOME ADDRESS BY THE CHAIRMAN

The Principal and Chairman of the Joint Board of Studies Dr J V R Ravindra, welcomed all the members and requested the members to introduce themselves. He explained that the Board of studies of various branches are constituted as per the guidelines of UGC. Principal conveyed his heart-felt thanks to external members and then presented the detailed Agenda Notes.

1. Reorganization of I and II semester course structure for load balance for effective utilization of the resources and facilities.

EXISTING:

| S. No | SUBJECT NAME | I SEMESTER | II SEMESTER |
|-------|--|--|--|
| 1 | Technical English | CSE / IT / ECE | EEE / ME / AE / CE |
| 2 | Mathematics – I | CSE / IT / ECE / EEE / ME / AE / CE | --- |
| 3 | Mathematics – II | --- | CSE / IT / ECE / EEE / ME / AE / CE |
| 4 | Probability, Statistics and Computational Techniques | CSE / IT / AE / CE | EEE |
| 5 | Computational Techniques | ME | ECE |
| 6 | Environmental Science | CSE / IT / ECE | EEE / ME / AE / CE |
| 7 | Engineering Physics | EEE / ME / AE / CE | CSE / IT / ECE / |
| 8 | Engineering Chemistry | EEE / ME / AE / CE | CSE / IT / ECE / |
| 9 | Computer Programming | CSE / IT / ECE / EEE | ME / AE / CE |
| 10 | Data Structures through C | --- | CSE / IT / ECE / EEE |
| 11 | Basic Electrical Engineering | ECE / EEE | CSE / IT |
| 12 | Basic Electrical and Electronics Engineering | --- | ME / AE / CE |
| 13 | Engineering Mechanics | ME / AE / CE | --- |
| 14 | Engineering Drawing | ME / AE / CE | --- |
| 15 | Advanced Engineering Drawing | --- | ME / AE / CE |

AMENDMENT:

| S. No | SUBJECT NAME | I SEMESTER | II SEMESTER |
|-------|--|-------------------------------------|-------------------------------------|
| 1 | Technical English | CSE / IT / AE / CE | ECE / EEE / ME |
| 2 | Mathematics – I | CSE / IT / ECE / EEE / ME / AE / CE | --- |
| 3 | Mathematics – II | --- | CSE / IT / ECE / EEE / ME / AE / CE |
| 4 | Probability, Statistics and Computational Techniques | CSE / AE | IT / EEE / CE |
| 5 | Computational Techniques | --- | ECE / ME |
| 6 | Environmental Science | CSE / IT / AE / CE | ECE / EEE / ME |
| 7 | Engineering Physics | ECE / EEE / ME | CSE / IT / AE / CE |
| 8 | Engineering Chemistry | ECE / EEE / ME | CSE / IT / AE / CE |
| 9 | Computer Programming | CSE / IT / ECE / EEE / ME / AE / CE | -- |
| 10 | Data Structures through C | --- | CSE / IT / ECE / EEE |
| 11 | Basic Electrical Engineering | IT / ECE / EEE | CSE |
| 12 | Basic Electrical and Electronics Engineering | ME / CE | AE |
| 13 | Engineering Mechanics | --- | ME / AE / CE |
| 14 | Engineering Drawing | ME / AE / CE | --- |
| 15 | Advanced Engineering Drawing | --- | ME / AE / CE |

Members Resolved to reorganize the courses of I and II semester for load balance for effective utilization of the resources and facilities for the batch of students admitted from the academic year 2013 – 2014.

2. AMENDMENTS TO ACADEMIC REGULATIONS (2011 - 2012) VCR R-11 FOR THE FOUR YEAR B.TECH PROGRAMS.

EXISTING:**INTERNAL EVALUATION**

For all lecture based theory courses, the evaluation shall be for 25 marks through internal evaluation and 75 marks through external end semester examination of three hours duration.

Internal evaluation: The 25 internal marks are divided as shown below:

Internal marks distribution

| | |
|-----------------------|----------|
| Subjective Type Test | 20 marks |
| Assignment / Tutorial | 05 marks |

For theory subjects, during the semester there shall be 2 midterm examinations. Each midterm examination consists of subjective test. The subjective test is for 20 marks, with duration of 2 hours. Subjective test of each semester shall contain 5 one mark compulsory questions in part-A and part-B contains 5 questions, the student has to answer 3 questions, each carrying 5 marks.

First midterm examination shall be conducted for the first two and half units of syllabus and second midterm examination shall be conducted for the remaining portion.

The internal marks shall be computed as the average of the two internal evaluations, of two subjective tests.

Five marks are earmarked for assignments. There shall be two assignments in every theory course. Marks shall be awarded considering the average of two assignments in each course.

AMENDMENT:

INTERNAL EVALUATION

The performance of a student in each semester shall be evaluated subject-wise with a maximum of 100 marks each for theory and 75 marks for practical / computer aided engineering drawing lab.

Theory Courses

The evaluation of the students in a course is a continuous process and is based on their performance in different examinations as mentioned below:

| | |
|----------------------------|----------|
| Continuous Assessment Test | 10 marks |
| Mid Semester Test | 15 marks |
| End Semester Examination | 75 marks |

Continuous Assessment Tests

There will be two Continuous Assessment Tests in theory courses having a weightage of 10 marks to be answered in two hours duration each. The first Continuous Assessment Test will be held in the 7th week with the announced schedule in the first two units of syllabus. The second Continuous Assessment Test will be held at the end of the semester with the announced schedule in the fourth and fifth units of syllabus. Marks shall be awarded considering the average of two Continuous Assessment Tests in each course.

Mid Semester Test

There will be one Mid Semester Test in theory courses for a maximum of 15 marks to be answered in two hours duration. The Mid Semester Test will be held in the 10th week with the announced schedule in the first three units of syllabus. In case a student does not appear in the Mid Semester Test due to any reason whatsoever, will get zero marks(s). It is compulsory for all the students to appear in the scheduled Mid Semester Tests and there shall be no compensation.

The above amendments shall be implemented with immediate effect making also applicable to B. Tech programme Students of 2011 - 2012 admitted batch, 2012 - 2013 admitted batch and for the batch of students admitted from the academic year 2013 - 2014.

The members resolved to Approve amendment to the Academic Regulations VCE R-11.

3. Constitution of Examinations and Results Committee:

It is proposed to constitute the results committee with the following composition:

- | | |
|------------------------------|----------|
| ➤ Principal | Chairman |
| ➤ Controller of Examinations | Convener |

- All Chair persons of Boards of studies in Engineering Members
- One external member from any engineering college Members
From the state, or JNTUH, Hyderabad
(not below the cadre of Professor)
- Controller of Examinations of JNTUH, Hyderabad OR his nominee Member
- Representative of the Management Member
- One Senior Faculty of the college Member

Resolution: Members discussed and unanimously authorized the result committee to take up special moderation, general moderation and moderation of marks at the time of award of final degree in case the student fails to secure FIRST class degree.


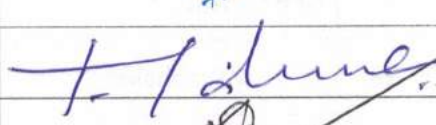
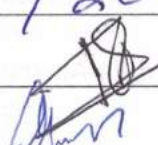

4. MISSING EXAMINATION

A student who fails to attend a Continuous Assessment Test / Mid Semester Test due to hospitalization or accident shall be permitted with prior approval of the HOD and Dean (UG) to take up missing examination of the particular course, subject to payment of Rs.600/- for each missing examination. Students deputed for official programmes of the college are exempted from paying the fee for missing test. Such missing examinations should be completed outside the regular class hours within 7 working days of the respective examinations. Attendance will not be given for taking up missing examinations. The missing examinations are allowed only for Continuous Assessment Test / Mid Semester Test and not for end semester final theory and practical examinations. The facility shall not be availed more than twice during the entire course of study.


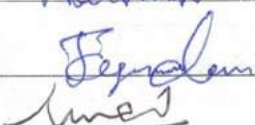
The members resolved to Approved to include in the academic regulations of VCE R-11 to conduct the missing examinations with immediate effect for the B. Tech programme Students of 2011 - 2012 admitted batch, 2012 - 2013 admitted batch and for the batch of students admitted from the academic year 2013 - 2014.

The meeting concluded with thanks to the Chair

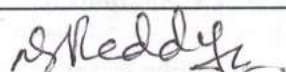
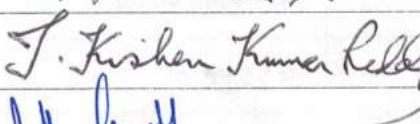
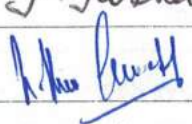
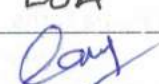

| S. No | Name | Department | Signature |
|---|---------------------|-----------------|---|
| Electrical and Electronics Engineering | | | |
| 1 | Prof. D Shobha Rani | Chairman, BOS |  |
| 2 | Dr. N Yadaiah | JNTUH Nominee |  |
| 3 | Dr. M Vijaya Kumar | Subject Expert |  |
| 4 | Dr. T Deva Raju | Subject Expert |  |
| 5 | Dr D Devendranath | Industry Expert |  |

| | | | |
|---|----------------------|--------|---|
| 6 | Dr. H S Jain | Member |  |
| 7 | Dr T Sai Rama | Member |  |
| 8 | Mr T C Srinivasa Rao | Member |  |
| 9 | Mr Sridhar Chouhan | Alumni |  |

Electronics and Communication Engineering

| | | | |
|----|-------------------------|-----------------|---|
| 10 | Prof. Y Pandu Rangaiah | Chairman, BOS |  |
| 11 | Dr. L Pratap Reddy | JNTU Nominee | LOA |
| 12 | Dr. R V S Satyanarayana | Subject Expert |  |
| 13 | Dr. M Asha Rani | Subject Expert | LOA |
| 14 | Mr N Narasimha Rao | Industry Expert |  |
| 15 | Dr. D B V Jagannadam | Member |  |
| 16 | Dr. P Nageswara Rao | Member |  |
| 17 | Dr. J V R Ravindra | Member |  |
| 18 | Dr. K Hari Krishna | Member |  |
| 19 | Prof R Murali Prasad | Member |  |
| 20 | Mr Madhavaram Kartheek | Alumni |  |

Mechanical Engineering

| | | | |
|----|---------------------------|---------------------------|---|
| 21 | Prof N Srinivasa Reddy | Chairman, BOS |  |
| 22 | Dr. T K K Reddy | JNTUH Nominee |  |
| 23 | Dr. K Hemachandra Reddy | Subject Expert |  |
| 24 | Dr. B Balakrishna | Subject Expert | LOA |
| 25 | Mr B Chandra Sekhar Reddy | Industry Expert (AE / ME) |  |
| 26 | Dr S Deva Prasad | Member |  |

| | | | |
|---------------------------------|--------------------------|-----------------|---|
| 27 | Dr B Venkatesh | Member |  |
| 28 | Dr V S V Prabhakar | Member |  |
| 29 | Ms A N S Aparna | Alumni |  |
| Aeronautical Engineering | | | |
| 30 | Dr P Srinivasa Rao | Chairman, BOS |  |
| 31 | Dr. K Vijaya Kumar Reddy | JNTUH Nominee |  |
| 32 | Dr. P V Subba Raju | Subject Expert | LOA |
| 33 | Dr. N V Swamy Naidu | Subject Expert | LOA |
| 34 | Dr P Janakiramulu | Member |  |
| 35 | Mr V Sreedhar | Member |  |
| 36 | Ms A Amala | Member |  |
| 37 | Mr V Lalith Kumar | Alumni |  |
| Civil Engineering | | | |
| 38 | Prof N Venkat Rao | Chairman, BOS |  |
| 39 | Dr. M Viswanadham | JNTUH Nominee |  |
| 40 | Dr D V Prasada Rao | Subject Expert |  |
| 41 | Dr. J V Gurumurthy | Subject Expert |  |
| 42 | Mr. P John Victor | Industry Expert |  |
| 43 | Mr S S Phani | Member |  |
| 44 | Ms Y Raghava Rani | Member |  |
| 45 | Ms G Hema Latha | Member |  |
| 46 | Ms N Vijaya Lakshmi | Alumni | LOA |

Computer Science and Engineering / Information Technology

| | | | |
|----|---------------------------|----------------------------------|------------------|
| 45 | Prof L V Narasimha Prasad | Chairman, BOS – CSE BOS - MCA | <i>Longprand</i> |
| 46 | Dr. P Govardhan | Chairman, BOS - IT | <i>f Gm</i> |
| 47 | Dr. A Vinaya Babu | JNTUH Nominee | <i>Anglyh</i> |
| 48 | Dr. B Eswara Reddy | Subject Expert | <i>BS</i> |
| 49 | Dr. K G Srinivasa | Subject Expert | <i>LOA</i> |
| 50 | Mr. Tapas Das | Industry Expert | <i>Tapas Das</i> |
| 51 | Dr. S Saravana Kumar | Member - CSE | <i>Sankar</i> |
| 52 | Mr H Venkateswar Reddy | Member - CSE | <i>VR</i> |
| 53 | Mr R Madana Mohana | Member - CSE | <i>Rm</i> |
| 54 | Mr A Bhanu Prasad | Member - IT | <i>A Bhanu</i> |
| 55 | Ms E R Aruna | Member - IT | <i>Aruna</i> |
| 56 | Mr A Krishna Chaitanya | Member - IT | <i>A Krishna</i> |
| 57 | Mr A Vamshidhar Reddy | Alumni | <i>LOA</i> |

GVR Raviindra

CHAIRPERSON – JOINT BOARD OF STUDIES



VARDHAMAN COLLEGE OF ENGINEERING

(Autonomous)

Shamshabad – 501 218, Hyderabad

MINUTES OF

**THE FIRST MEETING OF THE JOINT BOARD OF STUDIES WAS HELD AT 10.30 AM ON
3RD SEPTEMBER, 2011 (SATURDAY) IN THE E - CLASS ROOM (BLOCK 5)**

Dr N Sambasiva Rao, Chairperson of the Joint Board of Studies of Vardhaman College of Engineering (Autonomous), Hyderabad presided over the meeting. All the 42 internal members and 40 out of 49 external members were present. The following members were absent

1. Dr. S. Vithal, BOS – Chemistry
2. Dr. Shyamala Bharadwaj, BOS – Chemistry
3. Dr. J. Arunachalam, BOS – Chemistry
4. Mr. S. N. C. Srinivasan, BOS – English
5. Dr. G. Prasad, BOS – Physics
6. Dr. V. S. Raju, BOS – Physics
7. Dr. L. Pratap Reddy, JNTUH Nominee, BOS – ECE
8. Mr. N. Narasimha Rao, BOS – ECE
9. Dr. P. Muralikrishna, BOS – Management Studies

WELCOME ADDRESS BY THE CHAIRMAN

The Principal and Chairman of the Joint Board of Studies Dr N Samba Siva Rao, welcomed all the members and requested the members to introduce themselves. He explained that the Board of studies of various branches are constituted as per the guidelines of UGC. Principal conveyed his heart-felt thanks to external members and then presented the detailed Agenda Notes.

1. **To Approve and ratify the academic regulations for four year B. Tech. degree courses – Regulations – R11**

Principal presented the academic regulations for four year B. Tech. Degree courses to the members present. After a detailed discussion he urged the board to ratify the academic regulations for Four year B. Tech. degree courses – Regulations – R11 as furnished in Annexure – I.

Resolution: The members resolved to ratify the academic regulations for Four year degree courses – Regulations – R11 as given in Annexure – I.

2. To approve and ratify the Course Structure and syllabi for I and II Semester B. Tech. Regulations – R11

Principal presented the course structure and detailed syllabi for I and II semesters of four year B.Tech. Degree courses to the members present. He urged the board to ratify the Course Structure and syllabi for I and II semester Four year B. Tech. degree courses regulations R11 as furnished in Annexure – II.

After detailed discussion, in the meeting of Joint Board of Studies the members have decided to have the following pattern of courses for different branches of four year B.Tech degree program:

1. Technical English (common for all Branches)
2. Engineering Physics (common for all Branches)
3. Engineering Chemistry (common for all Branches)
4. Mathematics – I (common for all Branches)
5. Mathematics – II (common for all Branches)
6. Computer Programming (common for all Branches)
7. Environmental Science (common for all Branches)
8. Computational Techniques (ME/ECE)
9. Probability, Statistics and Computational Techniques (CSE/IT/AE/EEE/CE)
10. Data Structures through C (CSE/IT/ECE/EEE)
11. Engineering Mechanics (ME/AE/CE)
12. Basic Electrical Engineering (CSE/IT/ECE/EEE)
13. Basic Electrical and Electronics Engineering (ME/AE/CE)
14. Computer Programming Lab (common for all Branches)
15. Engineering Physics and Engineering Chemistry Lab (common for all Branches)
16. English Language Communication Skills Lab (common for all Branches)
17. Engineering Workshop (ME/AE/CE)
18. PC Software Lab (CSE/IT/ECE/EEE)
19. Data Structures through C Lab (CSE/IT/ECE/EEE)
20. Computer Aided Engineering Drawing Lab (CSE/IT/ECE/EEE)
21. Engineering Drawing (ME/AE/CE)
22. Advanced Engineering Drawing (ME/AE/CE)

For effective utilization of the resources and facilities the above courses may be floated as shown below:

| S. No | SUBJECT NAME | I SEMESTER | II SEMESTER |
|-------|--|-------------------------------------|-------------------------------------|
| 1 | Technical English | CSE / IT / ECE | EEE / ME / AE / CE |
| 2 | Mathematics – I | CSE / IT / ECE / EEE / ME / AE / CE | --- |
| 3 | Mathematics – II | --- | CSE / IT / ECE / EEE / ME / AE / CE |
| 4 | Probability, Statistics and Computational Techniques | CSE / IT / AE / CE | EEE |
| 5 | Computational Techniques | ME | ECE |
| 6 | Environmental Science | CSE / IT / ECE | EEE / ME / AE / CE |
| 7 | Engineering Physics | EEE / ME / AE / CE | CSE / IT / ECE / |
| 8 | Engineering Chemistry | EEE / ME / AE / CE | CSE / IT / ECE / |
| 9 | Computer Programming | CSE / IT / ECE / EEE | ME / AE / CE |
| 10 | Data Structures through C | --- | CSE / IT / ECE / EEE |
| 11 | Basic Electrical Engineering | ECE / EEE | CSE / IT |
| 12 | Basic Electrical and Electronics Engineering | --- | ME / AE / CE |
| 13 | Engineering Mechanics | ME / AE / CE | --- |
| 14 | Engineering Drawing | ME / AE / CE | --- |
| 15 | Advanced Engineering Drawing | --- | ME / AE / CE |

Resolution: The members resolved to ratify the Course Structure and syllabi for I and II semester Four year B. Tech. degree courses regulations – R11 as given in Annexure – II.

3. To Nominate panel of examiners / paper setters for regulations – R11

Chairman proposed the following guidelines to prepare the panels for question paper setting.

3.1 Panels for Questions paper setting:

For non – engineering subjects, the panels of paper setters are to be prepared by the coordinators for concerned subjects, to be nominated by the chairperson of the Joint Board of Studies (BOS)

In the case of engineering subjects, the panels of paper setters are to be prepared by the chairperson of BOS concerned.

These panels are to be sent to the Controller of Examinations (COE).

COE has to arrange for Question Paper Setting in each subject, by choosing any two paper setter (two sets each) from the panel of paper setters for that subject, with the approval of the Principal.

To expedite the work, the COE, may select the paper setters, from outside the panel, by satisfying the norms given below, with the permission of the Principal.

- a. The paper setter should be from the same specialization of study, for that subject.
- b. Normally, the paper setter should not be below the cadre of an Associate Professor from any engineering college, within and outside the state of Andhra Pradesh.
- c. In the case of the paper setter being of the cadre of Assistant Professor the prescribed minimum teaching experience is five years.

3.2 Model Question Paper:

Model question paper for each subject, is to be prepared and sent to the COE, to be made available to the paper setter, in that subject, for serving as guidelines for paper setting.

For non – engineering subjects, the model question papers are to be prepared by the coordinators for concerned subjects, to be nominated by the chairperson of the Joint Board of studies (BOS).

In the case of engineering subjects, the model question papers are to be prepared by the coordinators for concerned subjects, to be nominated by the chairperson of BOS concerned.

Resolution: Members discussed and unanimously approved the above.

4. To discuss and approve the pattern of evaluation

Chairman proposed the following procedure for the evaluation of end examination answer scripts.

4.1 Evaluation of Answer Scripts:

All the answer scripts shall be shuffled subject wise and coded before they are sent for valuation.

The theory papers of end-semester examination should be evaluated both by internal examiner and external examiner. The first valuation of the answer scripts should be done by the internal faculty, teaching the subject. The second evaluation should be done by an

examiner faculty outside the college. List of experts for second valuation, is to be finalized by the COE, with the approval of the Principal.

In case of non-availability of the concerned internal faculty, the COE, with the permission of the Principal, may assign the evaluation work to a competent faculty member.

For the external evaluation, the COE, may approach the Head of any Engineering college(s), within or outside the state, preferably away from the region, with a request to co-ordinate the evaluation work. The Head of the Institution(s), may in turn, entrust the evaluation work to a Coordinator.

The Coordinator may specifically be requested, to follow the guidelines given below, while selecting the paper valuers.

- a. The evaluator, must have taught the subject, at least once.
- b. Normally, the evaluator should not be below the cadre of an Associate Professor from any engineering college, within and outside the state of A.P.
- c. In the case of the evaluator being of the cadre of Assistant Professor the prescribed minimum teaching experience is five years.

After obtaining the evaluation marks, the COE has to finalize the marks as per the following guidelines.

- a. If the second valuation marks are lower than the first valuation marks, and the difference between the two, is 14 (fourteen) or less, the first valuation (original) marks obtained by the candidate are to be retained, without any change.
- b. If the second valuation marks are more than the first valuation marks and the difference between the two, is 14 (fourteen) or less, the second valuation marks are to be awarded to the candidate, in that subject.
- c. If the difference of marks between the second valuation and first valuation is 15 (fifteen) and above, the answer script is to be sent by the COE with the approval of the Principal, to the chief examiner of the concerned subject, other than the first two examiners. After valuation by the chief examiner, the marks awarded by the chief examiner is final.

4.2 Examiners for Practical Examinations:

For all the laboratories, the examinations are to be conducted by the faculty drawn from outside the college, as per the guidelines given below:

- In case of non-engineering subjects, the chairperson of joint BOS, can appoint the examiners for conducting practical examinations.

4.2 Examiners for Practical Examinations:

For all the laboratories, the examinations are to be conducted by the faculty drawn from outside the college, as per the guidelines given below:

- In case of non-engineering subjects, the chairperson of joint BOS, can appoint the examiners for conducting practical examinations.
- In case of engineering subjects, the concerned chairperson of BOS, can appoint the examiners for conducting practical examination.

The panel of external examiners consisting of 6 examiners, for Practicals / Project Work Comprehensive Viva is to be prepared by the chairperson of the concerned BOS, and sent to the COE.

The COE, has to appoint one examiner from the panel submitted, with the approval of the Principal. In case of refusal/no response, another examiner from the panel is to be appointed by the COE, with the approval of the Principal. The same process is to be repeated, till the panel is exhausted. The COE, then, has to obtain another panel of examiners from the concerned chairperson of BOS, and repeat the process to conduct the examination as per schedule.

Resolution: Members discussed and unanimously approved the above pattern of evaluation.

5. Constitution of Results Committee:

It is proposed to constitute the results committee with the following composition:

- | | |
|--|----------|
| ➤ Principal | Chairman |
| ➤ Controller of Examination | Convener |
| ➤ All Chair persons of Boards of studies in Engineering | Members |
| ➤ One external member from any engineering college | Members |
| From the state, or JNTUH, Hyderabad (not below the cadre of Professor) | |
| ➤ Representative of the Management | Member |
| ➤ One Senior Faculty of the college | Member |

Resolution: Members discussed and unanimously authorized the result committee to take up special moderation, general moderation and moderation of marks at the time of award of final degree in case the student fails to secure FIRST class degree.

6. Personal Identification:

Personal identification is permitted, in case (for theory subjects only), where the candidate applies for the same, with necessary prescribed fee, within two weeks from the date of issue of marks memo.

For personal identification purpose the candidate is allowed to examine the photocopy of the valued answer script, with marks hidden. The candidate is not permitted to be accompanied by any other person or persons, for personal identification.

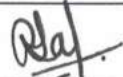
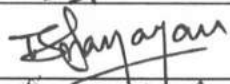
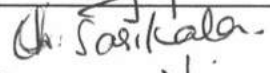
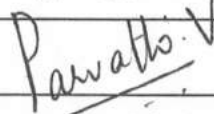
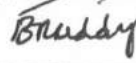


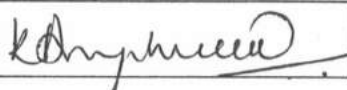
The role of the candidate, in Personal identification, is limited to identifying the answer script whether it belongs to him / her.


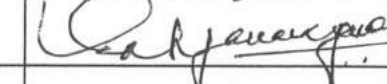
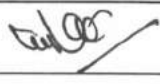
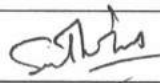

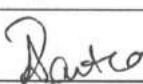
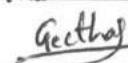

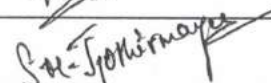

7. Any other Item:

Principal proposed the course structure of B. Tech II, III, IV, V VI, VII and VIII B. Tech for approval.


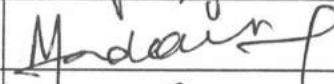
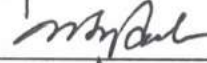
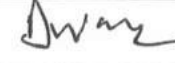
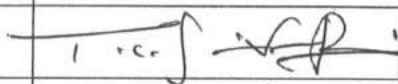

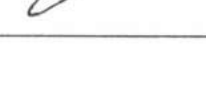
Resolution: Members resolved to discuss in the board of studies of the concerned department.


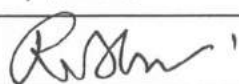


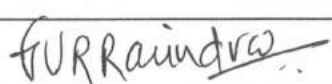
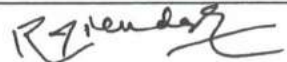
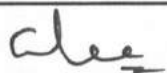
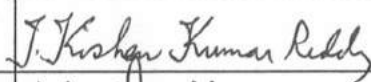
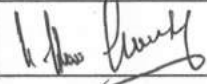
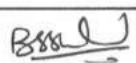


The meeting concluded with thanks to the Chair

| Freshman Engineering (English, Mathematics, Physics, Chemistry, Environmental Science) | | | |
|--|------------------------|---------------------------------------|---|
| S. No | Name | Department | Signature |
| 1 | Dr. P Sarah | Chairman, BOS - Freshman |  |
| 2 | Dr. B Satyanarayana | JNTUH Nominee - Chemistry |  |
| 3 | Dr. Ch Sasikala | JNTUH Nominee – Environmental Science |  |
| 4 | Dr. V Parvathi | JNTUH Nominee - English |  |
| 5 | Dr. B Ravindra Reddy | JNTUH Nominee - Mathematics |  |
| 6 | Dr. M Chandrashekar | JNTUH Nominee - Physics |  |
| 7 | Dr. S Vithal | Subject Expert - Chemistry | — A — |
| 8 | Dr. Shyamala Bharadwaj | Subject Expert - Chemistry | — A — |
| 9 | Dr. J Arunachalam | Industry Expert - Chemistry | — A — |
| 10 | Dr. P. Eliah | Subject Expert - English |  |
| 11 | Dr. K Durgabhavani | Subject Expert - English |  |

| | | | |
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| 12 | Mr S N C Srinivasan | Industry Expert - English | Absent |
| 13 | Dr. D Rama Murthy | Subject Expert - Mathematics |  |
| 14 | Dr. K Satyanarayana | Subject Expert - Mathematics |  |
| 15 | Dr. G Prasad | Subject Expert - Physics | Absent |
| 16 | Dr. V S Raju | Industry Expert - Physics | Absent |
| 17 | Dr. V Mohan Rao | Member - Physics |  |
| 18 | Dr. V Seetha Rama Raju | Member - Physics |  |
| 19 | Dr. B Naganna | Member - Mathematics |  |
| 20 | Ms V Kavitha | Member - Mathematics |  |
| 21 | Ms M Geetha | Member - Chemistry |  |
| 22 | Ms P Kimeera | Member – Environmental Science |  |
| 23 | Ms S M Jyothirmayee | Member - English |  |
| 24 | Ms P V Vinitha | Member - English |  |
| 25 | Mr B Hari Krishna | Alumni | — |

Electrical and Electronics Engineering

| | | | |
|----|----------------------|-----------------|---|
| 26 | Prof. D Shobha Rani | Chairman, BOS |  |
| 27 | Dr. N Yadaiah | JNTUH Nominee |  |
| 28 | Dr. M Sydulu | Subject Expert |  |
| 29 | Dr. T Deva Raju | Subject Expert |  |
| 30 | Mr I Sudhakar Rao | Industry Expert | — |
| 31 | Dr. Manjunath | Member | — |
| 32 | Mr T C Srinivasa Rao | Member |  |
| 33 | Mr K Hanumantha Rao | Member |  |
| 34 | Mr Sridhar Chouhan | Alumni |  |

| Electronics and Communication Engineering | | | |
|---|-------------------------|---------------------------|---|
| 35 | Prof. Y Pandu Rangaiah | Chairman, BOS |  |
| 36 | Dr. L Pratap Reddy | JNTU Nominee | Absent |
| 37 | Dr. R V S Satyanarayana | Subject Expert |  |
| 38 | Dr. M Asha Rani | Subject Expert |  |
| 39 | Mr N Narasimha Rao | Industry Expert | Absent |
| 40 | Dr. D B V Jagannadam | Member |  |
| 41 | Dr. P Nageswara Rao | Member | Absent |
| 42 | Dr. J V R Ravindra | Member |  |
| 43 | Prof. Ch Sreenivasa Rao | Member | — |
| 44 | Mr S. Rajendar | Member |  |
| 45 | Mr Madhavaram Kartheek | Alumni | — |
| Mechanical Engineering | | | |
| 46 | Prof. G V Rao | Chairman, BOS |  |
| 47 | Dr. T K K Reddy | JNTUH Nominee |  |
| 48 | Dr. K Hemachandra Reddy | Subject Expert |  |
| 49 | Dr. A Sudhakara Reddy | Subject Expert | — |
| 50 | Dr. R K Gupta | Industry Expert (AE / ME) | — |
| 51 | Prof. B Subba Ratnam | Member |  |
| 52 | Mr. B Venkatesh | Member |  |
| 53 | Mr K Deepak | Member |  |
| 54 | Mr A Sunil Kumar | Alumni | — |

Aeronautical Engineering

| | | | |
|----|--------------------------|----------------|-------------------------|
| 55 | Mr N Srinivasa Reddy | Chairman, BOS | <i>N Reddy</i> |
| 56 | Dr. K Vijaya Kumar Reddy | JNTUH Nominee | <i>KV</i> |
| 57 | Dr. P V Subba Raju | Subject Expert | <i>PV Subba Raju</i> |
| 58 | Dr. P Venkata Reddy | Subject Expert | <i>PV</i> |
| 59 | Mr P Jagan Mohan | Member | <i>P Jagan Mohan</i> |
| 60 | Mr V Sreedhar | Member | <i>V Sreedhar</i> |
| 61 | Mr K Bhargava Chary | Member | <i>K Bhargava Chary</i> |
| 62 | Ms Sweekruthi K. Bhatt | Alumni | — |

Civil Engineering

| | | | |
|----|------------------------------|-----------------|---------------------------|
| 63 | Prof. S Vijaya Bhaskar Reddy | Chairman, BOS | <i>S Reddy</i> |
| 64 | Dr. M Viswanadham | JNTUH Nominee | <i>M Viswanadham</i> |
| 65 | Dr. T Raghunatha Reddy | Subject Expert | <i>T Raghunatha Reddy</i> |
| 66 | Dr. J V Gurumurthy | Subject Expert | — |
| 67 | Mr. P John Victor | Industry Expert | — |
| 68 | Dr. K Chandra Sekhar Reddy | Member | <i>K Reddy</i> |
| 69 | Dr. G Reddy Babu | Member | <i>G Reddy Babu</i> |

Computer Science and Engineering / Information Technology / Master of Computer Applications

| | | | |
|----|---------------------------|----------------------------------|-----------------------------|
| 70 | Prof L V Narasimha Prasad | Chairman, BOS – CSE BOS - MCA | <i>L V Narasimha Prasad</i> |
| 71 | Dr. N Sambasiva Rao | Principal, Chairman, BOS - IT | <i>N. Sambasiva Rao</i> |
| 72 | Dr. A Vinaya Babu | JNTUH Nominee | <i>A Vinaya Babu</i> |
| 73 | Dr. B Eswara Reddy | Subject Expert | <i>B Eswara Reddy</i> |

| | | | |
|----|------------------------|-----------------|----------------------------|
| 74 | Dr. K G Srinivasa | Subject Expert | <i>Dr. K G Srinivasa</i> |
| 75 | Mr. Tapas Das | Industry Expert | — |
| 76 | Dr. K Venkateswar Rao | Member - CSE | — |
| 77 | Mr H Venkateswar Reddy | Member - CSE | <i>HVR</i> |
| 78 | Mr R Madana Mohana | Member - CSE | <i>RMM</i> |
| 79 | Mr A Bhanu Prasad | Member - IT | <i>ABP</i> |
| 80 | Ms E R Aruna | Member - IT | <i>E R Aruna</i> |
| 81 | Mr A Krishna Chaitanya | Member - IT | <i>A Krishna Chaitanya</i> |
| 82 | Mr A Vamshidhar Reddy | Alumni | — |

Management Studies (MBA)

| | | | |
|----|----------------------|-----------------|----------------------|
| 83 | Prof. N Venkat Rao | Chairman – BOS | <i>N Venkat Rao</i> |
| 84 | Dr. A R Arya Sri | JNTUH Nominee | <i>ARAS</i> |
| 85 | Dr. P Murali Krishna | Subject Expert | <i>Absent</i> |
| 86 | Dr. A Sudhakar | Subject Expert | — |
| 87 | Mr K S Rao | Industry Expert | — |
| 88 | Mr G Ramesh | Member | <i>G Ramesh</i> |
| 89 | Dr. P Naga Raju | Member | <i>P Naga Raju</i> |
| 90 | Smt S Kasi Ratnam | Member | <i>S Kasi Ratnam</i> |
| 91 | Ms K Tanmie | Alumni | — |

N. Sambanth
CHAIRPERSON – JOINT BOARD OF STUDIES



VARDHAMAN COLLEGE OF ENGINEERING

(AUTONOMOUS)

Shamshabad, Hyderabad - 501 218

DEPARTMENT OF CIVIL ENGINEERING

7th Meeting of BOS in Civil Engineering held on 2nd June, 2018

Date: 2.06.2018

Minutes

Members Present:

| | | |
|----|-------------------------|-----------------|
| 1 | Dr. C. Hari Prasad | Chairman, BOS |
| 2 | Dr. K Rama Mohan Rao | JNTU Nominee |
| 3 | Dr. V. Padmavathi | Subject Expert |
| 4 | Dr. K. Srinivasa Raju | Subject Expert |
| 5 | Mr. T. Someshwar Rao | Industry Expert |
| 6 | Mr. G.V.K.Reddy | Subject Expert |
| 7 | Dr. N Srujana | Member |
| 8 | Dr. Pradeep | Member |
| 9 | Dr. G. Mallikarjuna Rao | Member |
| 10 | Mr. M. Nagaraju | Alumni |

The Chairman welcomed all the members present for the Seventh BOS meeting of Civil Engineering. The Chairman also thanked the members for their acceptance to be as a member of BOS (CE).

1. Approval of Academic Rules & Regulations – B.Tech.

Resolved to adopt the B.Tech Academic Rules & Regulations as approved in the combined Boards of studies for the B.Tech. (CE) program for the batches of students admitted from the academic year 2018 – 19.

2. Syllabus of I,II,III and IV Semester Subjects:

Chairman **Dr. C. Hari Prasad** appraised the members that syllabi of the following I, II, III and IV Semester Courses, were finalized in the meeting of Combined Board of Studies.

B. TECH

- 1 Mathematics-I
- 2 Chemistry
- 3 Programming for Problem Solving
- 4 Workshop and Manufacturing Practices
- 5 Chemistry Laboratory
- 6 Programming Laboratory
- 7 Social Innovation
- 8 Mathematics-II
- 9 Physics
- 10 Engineering Mechanics
- 11 Functional English for Communication
- 12 Engineering Graphics & Design
- 13 Physics Laboratory
- 14 Basic Electrical and Instrumentation Laboratory
- 15 English Language Communication Skills laboratory
- 16 Engineering Exploration
- 17 Probability and Statistics
- 18 Fluid Mechanics
- 19 Strength of materials-I
- 20 Building Material, Planning and Drawing
- 21 Basic electrical and electronics engineering
- 22 Solid Mechanics Laboratory
- 23 Surveying and Geomatics
- 24 Concrete Technology
- 25 Quantitative Ability-I
- 26 Environmental Science
- 27 Managerial Economics and Financial Analysis
- 28 Strength of materials-II
- 29 Hydrology and Water Resources Engineering
- 30 Hydraulics and Hydraulic Machines (HHM)
- 31 Structural Analysis - I
- 32 Fluid Mechanics and Hydraulic Machinery Laboratory
- 33 Advanced Surveying Laboratory
- 34 Concrete Technology Laboratory
- 35 Verbal Ability and Logical Reasoning
- 36 Gender Sensitization

M. TECH

- 1 Advanced Structural Analysis
- 2 Theory of Elasticity
- 3 PROGRAM ELECTIVE - I
- 4 PROGRAM ELECTIVE - II
- 5 Structural Design Laboratory
- 6 Advanced Concrete Laboratory
- 7 Research Methodology and IPR
- 8 Audit Course - I
- 9 Finite Element Method (FEM)
- 10 Structural Dynamics
- 11 PROGRAM ELECTIVE - III
- 12 PROGRAM ELECTIVE - IV
- 13 Finite Element Lab
- 14 Numerical Analysis Laboratory
- 15 Mini Project
- 16 Audit Course - II
- 17 PROGRAM ELECTIVE - V
- 18 Open Elective
- 19 Dissertation Phase - I
- 20 Dissertation Phase - II

PROGRAM ELECTIVE - I

- 1 Advanced Design of Reinforced Concrete Structures
- 2 Design of Tall Structures
- 3 Composite Materials

PROGRAM ELECTIVE - II

- 1 Design of Prestressed Concrete Structures
- 2 Structural Health Monitoring
- 3 Optimization Techniques in Structural Engineering

PROGRAM ELECTIVE - III

- 1 Bridge Engineering
- 2 Advanced Concrete Technology
- 3 Experimental Stress Analysis

PROGRAM ELECTIVE - IV

- 1 Advanced Design of Steel Structures
- 2 Theory of Plates
- 3 Advanced Foundation Engineering

PROGRAM ELECTIVE - V

- 1 Repair and Rehabilitation of Structures

- 2 Fracture Mechanics
- 3 Earthquake Resistant Design of Structures

AUDIT COURSE-I & II

- 1 English for Research Papers Writing
- 2 Disaster Management
- 3 Sanskrit for Technical Knowledge

OPEN ELECTIVES

- 1 Business Analytics
- 2 Industrial safety
- 3 Operations Research

- 3. A new Professional Elective is introduced in VII semester (professional elective IV) For R15 Regulations.
- 4. Continuous internal evaluation replaced with Alternative assessment for R15 Regulations.
- 5. **Syllabi for I,II,III, and IV semesters of R-18 (M. Tech)Regulations:**

Courses for semesters were presented by the Chairman, BOS (CE).

Meeting concluded with thanks to the chair

| | | | |
|----|-------------------------|-----------------|----------------------------|
| 1 | Dr. C. Hari Prasad | Chairman, BOS | <i>hari prasad</i> |
| 2 | Dr. K Rama Mohan Rao | JNTU Nominee | <i>K. Rama</i> |
| 3 | Dr. V. Padmavathi | Subject Expert | <i>Padmavathi V.</i> |
| 4 | Dr. K. Srinivasa Raju | Subject Expert | <i>Absent</i> |
| 5 | Mr. T. Someshwar Rao | Industry Expert | <i>T. Someshwar Rao</i> |
| 6 | Mr. G.V.K.Reddy | Subject Expert | <i>G.V.K.Reddy</i> |
| 7 | Dr. N Srujana | Member | <i>N. Srujana</i> |
| 8 | Dr. Pradeep | Member | <i>P. Pradeep</i> |
| 9 | Dr. G. Mallikarjuna Rao | Member | <i>G. Mallikarjuna Rao</i> |
| 10 | Mr. M. Nagaraju | Alumni | <i>M. Nagaraju</i> |

hari prasad

Dr. C. Hari Prasad

Chairman
Head of the Department
Board of Studies, CE
VANDHAMAN COLLEGE OF ENGINEERING
Shamshabad, Hyderabad



VARDHAMAN COLLEGE OF ENGINEERING

(AUTONOMOUS)

Shamshabad, Hyderabad - 501 218

DEPARTMENT OF CIVIL ENGINEERING

6th Meeting of BOS in Civil Engineering held on 8th November, 2016

Date: 9.11.2016

Minutes

Members Present:

| | | |
|----|------------------------|-----------------|
| 1 | Dr. C. Hari Prasad | Chairman, BOS |
| 2 | Dr. M.V. Seshagiri Rao | JNTU Nominee |
| 3 | Dr. V. Padmavathi | Subject Expert |
| 4 | Dr. K. Srinivasa Raju | Subject Expert |
| 5 | Dr. J.V. Gurumurthy | Subject Expert |
| 6 | Mr. T. Someshwar Rao | Industry Expert |
| 7 | Mr. G.V.K.Reddy | Subject Expert |
| 8 | Prof. Y. Raghava Rani | Member |
| 9 | Mr. Jesu Dass kumar | Member |
| 10 | Mr. M. Nagaraju | Alumni |

The Chairman welcomed all the members present for the Sixth BOS meeting of Civil Engineering. The Chairman also thanked the members for their acceptance to be as a member of BOS (CE).

1. Approval of Academic Rules & Regulations – B.Tech.

Resolved to adopt the B.Tech Academic Rules & Regulations as approved in the combined Boards of studies for the B.Tech. (CE) program for the batches of students admitted from the academic year 2017 – 2018.

2. Syllabus of V,VI,VII and VIII Semester Subjects:

Chairman **Dr. C. Hari Prasad** appraised the members that syllabi of the following V,VI,VII and VIII Semester Courses, were finalized in the meeting of Combined Board of Studies.

B. Tech

1. Design of Reinforced Concrete Structures
2. Structural Analysis – II
3. Geo Technical Engineering – I
4. Engineering Geology
5. Water Resources Engineering – I
6. Estimating and Costing
7. Engineering Geology Lab
8. Geotechnical Engineering Lab
9. Professional Ethics and Human Values
10. Design of Steel Structures
11. Geo Technical Engineering - II
12. Environmental Engineering
13. Open Elective – I
14. Professional Elective – I
15. Professional Elective – II
16. Environmental Engineering Lab
17. CAD Lab (AUTO CAD Soft ware free ware)
18. Intellectual Property Rights
19. Transportation Engineering
20. Water Resources Engineering – II
21. Remote Sensing and GIS Applications
22. Open Elective – II
23. Professional Elective – III
24. Professional Elective – IV
25. Concrete and Highway Engineering Lab
26. Geographical Information Systems Lab
27. Mini Project
28. Management Science
29. Open Elective – III
30. Professional Elective – V
31. Technical Seminar
32. Project Work

Open Electives

1. Fundamentals of Database Management Systems
2. Fundamentals of Image Processing
3. Operating System Fundamentals
4. JAVA Programming
5. Cyber Laws
6. E-Commerce Trends
7. Principles of Software Engineering
8. Scripting Languages
9. Digital Electronics
10. Principles of Analog and Digital Communications
11. Transducers and Measurements
12. Communication Networking Devices
13. Nano Technology Applications to Electrical Engineering
14. Industrial Electronics
15. Solar Energy and Applications
16. Energy Management and Audit
17. Elements of Mechanical Engineering
18. Basic Thermodynamics and Heat Transfer
19. Mechanical Measurements and Instrumentation
20. Engineering Optimization
21. Environmental pollution and management
22. Remote sensing and GIS
23. Disaster Management
24. Constructing planning and management
25. Entrepreneurship Development
26. Human Resource Management
27. Organization Behavior
28. Logistics and Supply Chain Management
29. National Service Scheme (NSS)

Professional Elective – I

1. Environmental Impact Assessment
2. Elements of Earthquake Engineering
3. Ground Water Hydrology
4. FEM In Civil Engineering

Professional Elective – II

1. Advanced Structural Analysis
2. Watershed Management
3. Air Pollution and Control
4. Bridge Engineering

Professional Elective – III

1. Construction Management
2. Ground Improvement Techniques
3. Pre Stressed Concrete Structures
4. Industrial Structures

Professional Elective – IV

1. Pavement Analysis and Design
2. Design and Drawing of Irrigation Structures
3. Solid Waste Management
4. Traffic Engineering

Professional Elective – V

1. Rehabilitation and Retrofitting of Structures
2. Industrial waste and waste management
3. Urban Planning and Information Systems
4. Advanced Foundation Engineering

M. TECH

1. Advanced Engineering Mathematics
2. Theory of Elasticity and Plasticity
3. Finite Element Analysis
4. Advanced Structural Analysis
5. **PROFESSIONAL ELECTIVE – I**
6. **PROFESSIONAL ELECTIVE – II**
7. Advanced Concrete Laboratory
8. Technical Seminar
9. Analysis and Design of Shells and Folded Plates
10. Structural Dynamics
11. Advanced Steel Structures Design
12. Advanced Reinforced Concrete Design
13. **PROFESSIONAL ELECTIVE – III**
14. **PROFESSIONAL ELECTIVE – IV**
15. Computer Applications in Structural Engineering Laboratory
16. Technical Seminar
17. Comprehensive Viva
18. Project Work Phase – I
19. Project Work Phase - II

PROFESSIONAL ELECTIVE – I

1. Advanced Concrete Technology
2. Optimization Techniques in Structural Engineering
3. Construction Project Management

PROFESSIONAL ELECTIVE – II

1. Earth Quake Resistant Design of Buildings
2. Theory and Applications of Cement Composites
3. Experimental Stress Analysis

PROFESSIONAL ELECTIVE – III

1. Low Cost Housing Techniques
2. Advanced Pre Stressed Concrete Design
3. Bridge Engineering

PROFESSIONAL ELECTIVE – IV

1. Plastic Analysis
2. Stability of Structures
3. Rehabilitation and Retrofitting of Concrete Structures

3. The panel of examiners and model question papers for **V, VI, VII and VIII** Semesters proposed by the Chairman, BOS (CIVIL Engineering) is approved in the meeting of Combined Board of Studies.

4. **Syllabi for V, VI, VII and VIII semesters of R-15 Regulations:**

Courses for V, VI, VII and VIII semesters were presented by the Chairman, BOS (CE).

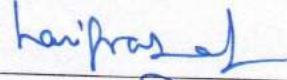
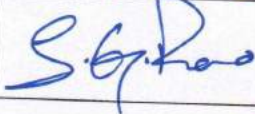
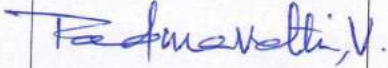
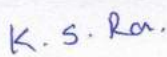
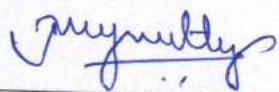

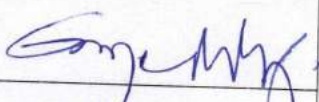
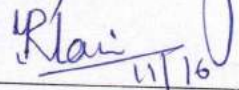
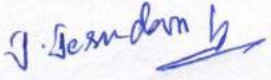

Proposed subjects of V, VI, VII and VIII B. Tech. Civil Engineering were also approved.

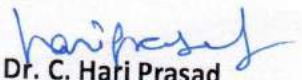
Open electives will be selected based on the requirement with prior approval of all Hod's.

5. **Syllabi for I,II,III, and IV semesters of R-15 (M. Tech) Regulations:**

Courses for semesters were presented by the Chairman, BOS (CE).

Meeting concluded with thanks to the chair.

| | | | |
|----|-----------------------------|-----------------|---|
| 1 | Dr. C. Hari Prasad | Chairman, BOS |  |
| 2 | Dr. M.V.Seshagiri Rao | JNTU Nominee |  |
| 3 | Dr. ^V Padmavathi | Subject Expert |  |
| 4 | Dr. K. Srinivasa Raju | Subject Expert |  |
| 5 | Dr. J.V. Gurumurthy | Subject Expert |  |
| 6 | Mr. T. Someshwar Rao | Industry Expert |  |
| 7 | Mr. G.V.K.Reddy | Subject Expert |  |
| 8 | Prof. Y. Raghava Rani | Member |  |
| 9 | Mr. Jesu Dass kumar | Member |  |
| 10 | Mr. M. Nagaraju | Alumni |  |


Dr. C. Hari Prasad
Chairman
Board of Studies, CE
Head of the Department
Civil Engineering
MADHAMAN COLLEGE OF ENGINEERING
Shamshabad, Hyderabad



VARDHAMAN COLLEGE OF ENGINEERING

(AUTONOMOUS)

Shamshabad, Hyderabad - 501 218

DEPARTMENT OF CIVIL ENGINEERING

5th Meeting of BOS in Civil Engineering held on 25th July, 2015

Date: 25.07.2015

Minutes

Members Present:

| | | |
|---|-------------------------|-----------------|
| 1 | Prof. Y. Raghava Rani | Chairman, BOS |
| 2 | Dr. G.K. Viswanadh | Subject Expert |
| 3 | Dr. P. Srinivasa Rao | Subject Expert |
| 4 | Dr. M. Gopal Naik | Subject Expert |
| 5 | Mr. P. John Victor | Industry Expert |
| 6 | Dr. K.V.Jayakumar | Subject Expert |
| 7 | Mr. G.V.K.Reddy | Member |
| 8 | Dr. K. Sreenivasa Reddy | Member |
| 9 | Mr. M. Naveen Kumar | Alumni |

The Chairman welcomed all the members present for the Fifth BOS meeting of Civil Engineering. The Chairman also thanked the members for their acceptance to be as a member of BOS (CE).

1. Approval of Academic Rules & Regulations – B.Tech.

Resolved to adopt the B.Tech Academic Rules & Regulations as approved in the combined Boards of studies for the B.Tech. (CE) program for the batches of students admitted from the academic year 2015 – 2016

2. Syllabus of I and II Semester Subjects:

Chairman **Prof. Y. Raghava Rani** appraised the members that syllabi of the following I and II Semester Courses which are common for all branches of Engineering, were finalized in the meeting of Combined Board of Studies.

1. Technical English
 2. Engineering Physics
 3. Engineering Chemistry
 4. Mathematics – I
 5. Mathematics – II
 6. Probability theory and Numerical Methods
 7. Computer Programming
 8. Data Structures through C
 9. Engineering Mechanics-I
 10. Engineering Mechanics - II
 11. Basic Electrical Engineering
 12. Basic Electrical and Electronics Engineering
 13. Computer Programming Lab
 14. Engineering Physics and Engineering Chemistry Lab
 15. English Language Communication Skills Lab
 16. Engineering Workshop
 17. IT Workshop
 18. Data Structures through C Lab
 19. Computer Aided Engineering Drawing Lab (Free soft ware)
 20. Engineering Drawing - II
 21. Engineering Drawing - II
3. The panel of examiners and model question papers for I & II Semesters proposed by the Chairman, BOS (Freshman Engineering) for Technical English, Engineering Physics, Engineering Chemistry, Mathematics – I, Mathematics – II and Probability Theory and Numerical Methods is approved in the meeting of Combined Board of Studies.
4. **Course Structure (R-15) of III, IV, V, VI, VII and VIII B.Tech:**
Course structure (R-15) of B.Tech (Civil Engineering) was presented by the Chairman, BOS (CE).

Proposed subjects of **III, IV, V, VI, VII and VIII B.Tech** in semester pattern with choice based credit system, scheme of instruction, marks, credits and elective courses were discussed. Open Elective – I, II and III & Professional Electives – I, II, III, IV and V were considered appropriate.

The members tentatively approved the “Course Structure” of B.Tech (CE) as enclosed in the for the batches admitted from the academic year 2015-16.

5. Syllabi for V, VI, VII and VIII semesters of R-14 Regulations:

Courses for V, VI, VII and VIII semesters were presented by the Chairman, BOS (CE).

Proposed subjects of V, VI, VII and VIII B. Tech. Civil Engineering were also approved.


6. Any other Item:

a) V, VI, VII and VIII Semesters B. Tech (CE) Syllabi (R-15)

The members requested the chairman, BOS (CE) to prepare detailed syllabi (R-15) for V, VI, VII and VIII semester B.Tech (CE) courses including elective courses with the help of Internal Members.

b) Send the "Draft Syllabi" to all the External Members, obtain and incorporate the suggestions received.

Members resolved to finalize the syllabi (R-15) for V, VI, VIII and VIII semesters courses and elective courses, in the next meeting of the Board of Studies.


Head of the Department
Civil Engineering
VARDHAMAN COLLEGE OF ENGINEERING
Shamshabad, Hyderabad



VARDHAMAN COLLEGE OF ENGINEERING

(AUTONOMOUS)

Shamshabad, Hyderabad - 501 218

DEPARTMENT OF CIVIL ENGINEERING

Meeting of BOS in Civil Engineering held on 30th August, 2014

Date: 30-08-2014

Minutes

Members Present:

| | | |
|---|-------------------------|-------------------|
| 1 | Dr. K. Vijaya Lakshmi | Chairman, BOS |
| 2 | Dr. M. Viswanadham | J N T U H Nominee |
| 3 | Dr. T. Raghunatha Reddy | Subject Expert |
| 4 | Dr. J.V. Gurumurthy | Subject Expert |
| 5 | Mr. P. John Victor | Industry Expert |
| 6 | Prof. P. Shankar Rao | Subject Expert |
| 7 | Mr. N. Venkat Rao | Member |
| 8 | Mr. M. Rajasekhar | Member |
| 9 | Ms. N. Vijaya Lakshmi | Alumni |

The Chairman welcomed all the members present for the BOS meeting of Civil Engineering. The Chairman also thanked the members for their acceptance to be as a member of BOS (CE).

1. Approval of Academic Rules & Regulations – B.Tech.

Resolved to adopt the B.Tech Academic Rules & Regulations as approved in the combined Boards of studies for the B.Tech. (CE) program for the batches of students admitted from the academic year 2014 – 2015 (given in annexure – I).

2. Syllabus of I and II Semester Subjects:

Chairman Dr. K. Vijaya Lakshmi appraised the members that syllabi of the following I and II Semester Courses which are common for all branches of Engineering, were finalized in the meeting of Combined Board of Studies.

1. Technical English
 2. Engineering Physics
 3. Engineering Chemistry
 4. Mathematics – I
 5. Mathematics – II
 6. Computational Techniques (ECE/EEE/ME/CE)
 7. Probability, Statistics and Computational Techniques (CSE/IT/AE)
 8. Computer Programming
 9. Data Structures through C (CSE/IT/ECE/EEE)
 10. Engineering Mechanics (ME/AE/CE)
 11. Basic Electrical Engineering (CSE/IT/ECE/EEE)
 12. Basic Electrical and Electronics Engineering (ME/AE/CE)
 13. Computer Programming Lab
 14. Engineering Physics and Engineering Chemistry Lab
 15. English Language Communication Skills Lab
 16. Engineering Workshop (ME/CE)
 17. IT Workshop (CSE/IT)
 18. Data Structures through C Lab (CSE/IT/ECE/EEE)
 19. Computer Aided Engineering Drawing Lab (CSE/IT/ECE/EEE)
 20. Engineering Drawing (ME/AE/CE)
 21. Advanced Engineering Drawing (ME/AE/CE)
3. The panel of examiners and model question papers for I & II Semesters proposed by the Chairman, BOS (Freshman Engineering) for Technical English, Engineering Physics, Engineering Chemistry, Mathematics – I, Mathematics – II and Probability, Statistics and Computational Techniques is approved in the meeting of Combined Board of Studies (Given in Annexure – II).
4. **Courses of III, IV, V, VI, VII and VIII B.Tech:**
 Course structure of B.Tech (Civil Engineering) was presented by the Chairman, BOS (CE).
 Proposed subjects of III, IV, V, VI, VII and VIII B.Tech in semester pattern, scheme of instruction, marks, credits and elective courses were discussed. Interdepartmental Elective – I and II in VI and VII semesters respectively, Professional Electives – I in VII semester and Professional Electives – II and III in VIII semester were considered appropriate.

The members tentatively approved the "Course Structure" of B.Tech (CE) as enclosed in the Annexure - III.

5. Panel of Examiners for Question paper setting and Valuation for the courses handled by Civil Engineering

- a) The panel of examiners for I, II, III and IV Semesters proposed by the Chairman, BOS (CE) for question paper setting and valuation is approved (Given in Annexure - IV).
- b) After the perusal of Model Question Papers submitted by the Chairman, BOS, it is resolved to adopt the same.

6. Approval of Academic Rules, Regulations (VCE-R14), Course Structure and Syllabi – M.Tech (SE).

It is resolved to adopt the revised M.Tech Academic Rules, Regulations, Course Structure and Syllabi of for the M.Tech (SE) program for the batches of students admitted from the academic year 2014 – 2015.

7. Any other Item:

a) V, VI, VII and VIII Semesters B. Tech (CE) Syllabi:

The members requested the chairman, BOS (CE) to prepare detailed syllabi for V, VI, VII and VIII semester B.Tech (CE) courses including elective courses with the help of Internal Members.

- b) Send the "Draft Syllabi" to all the External Members, obtain and incorporate the suggestions received.

Members resolved to finalize the syllabi for V, VI, VII and VIII semesters courses and elective courses, in the next meeting of the Board of Studies.



VARDHMAN COLLEGE OF ENGINEERING

(Autonomous)

Shamashabad, Hyderabad – 501218

MINUTES OF

FOURTH BOARD OF STUDIES (PG) OF M. TECH (STRUCTURAL ENGINEERING) ACADEMIC REGULATIONS VCE – R11 MEETING HELD ON 7th APRIL, 2013

Chairman of the Board of studies (PG) of Vardhman College of Engineering (Autonomous), Hyderabad presided over the meeting. All the 3 internal members and 4 external members were present.

Members Present:

| | | |
|---|-------------------------|----------------------------|
| 1 | Dr. T. Muralidhara Rao | Chairman |
| 2 | Dr. M. Viswanadham | JNTU Nominee |
| 3 | Dr. T. Raghunatha Reddy | Member (Subject Expert) |
| 4 | Dr. J. V. Gurumurthy | Member (Subject Expert) |
| 5 | Mr. P. John Victor | Member (Industrial Expert) |
| 6 | Prof. N. venkata rao | Member (Subject Expert) |
| 7 | Mr. S.S. Phani | Member (Subject Expert) |

The Chairman welcomed all the members present for the fourth BOS meeting (PG) of M.Tech (Structural Engineering). The Chairman also thanked the members for attending third BOS meeting (UG).

1. To approved and ratify the Academic Regulation and Rules for the two year M.Tech course, Regulations VCE-R11

Resolution: The member unanimously approved to continue the regulations VCE- R11 for M.Tech (Structural Engineering) as they are already approved in the first board of studies meeting and are in force for the students admitted form the academic year 2011 – 2012

2. Finalization of Course Structure and Syllabi for the M. Tech course in Structural Engineering

Chairman of the board of studies (CE) proposed the scheme and syllabi for Two years M. Tech course in Structural Engineering and placed the same for discussion and urged the members for the approval.

Resolution: The members discussed at length and suggested few changes in the syllabus content and unanimously approved the course structure and syllabi after making the necessary changes suggested by the members as furnished in Annexure –II

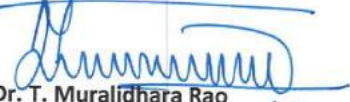
3. Panel of Examiners for question paper setting for the courses in I and II semester M. Tech (Structural Engineering)

The Panel of examiners for question paper setting for I & II Semesters proposed by the Chairman, BOS – CE for M. Tech (Structural Engineering) are approved as Furnished in annexure –IV

4. After the perusal of Model Question papers submitted by the chairman, BOS – CE for the course M. Tech (Structural Engineering) and the Chairman, BOS –CE **RESOLVED** to adopt the same

Meeting concluded with thanks to the chair.

| | | | |
|---|-------------------------|--------------------------|---|
| 1 | Dr. T. Muralidhara Rao | Chairman |  |
| 2 | Dr. M. Viswanadham | JNTUH Nominee |  |
| 3 | Dr. T. Raghunatha Reddy | Member (Subject Expert) |  |
| 4 | Dr. J. V. Gurumurthy | Member (Subject Expert) |  |
| 5 | Mr. P. John Victor | Member (Industry Expert) |  |
| 6 | Prof. N. Venkata Rao | Member |  |
| 7 | Mr. S. S. Phani | Member |  |


Dr. T. Muralidhara Rao
Chairman, BOS - CE

VARDHAMAN COLLEGE OF ENGINEERING

(Autonomous)

Shamshabad – 501 218, Hyderabad

DEPARTMENT OF CIVIL ENGINEERING

MINUTES OF THIRD BOARD OF STUDIES (UG) MEETING IN CIVIL ENGINEERING HELD ON 8TH AUGUST, 2012

Members Present:

| | | |
|---|-----------------------------|----------------------------|
| 1 | Prof. N. Venkat Rao | Chairman |
| 2 | Dr. M. Viswanadham | JNTU Nominee |
| 3 | Dr. T. Raghunatha Reddy | Member (Subject Expert) |
| 4 | Dr. J. V. Gurumurthy | Member (Subject Expert) |
| 5 | Mr. P. John Victor | Member (Industrial Expert) |
| 6 | Dr. K. Chandra sekhar Reddy | Member (Subject Expert) |
| 7 | Dr. G. Reddy Babu | Member (Subject Expert) |

The Chairman welcomed all the members present for the third BOS meeting of Civil Engineering.

1. Resolved to Approve Action Taken Report presented by the Chairman, Board of Studies in Civil Engineering (Appendix - I).
2. Resolved to ratify the transfer of Mr. Mohd Shoaib Ahmed B. Tech (Civil Engineering) from CVR College of Engineering (Affiliated to JNTUH, Hyderabad) to Vardhaman College of Engineering (Autonomous), Hyderabad.
3. **Substitute (Equivalent) subjects:**
Comparison of JNTUH 2009 regulations and with I semester and II semester as per Vardhaman College of Engineering VCE – R11 under Autonomous status:



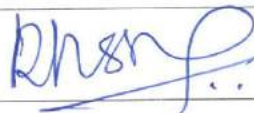
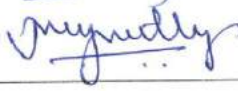



| S No | Subjects of I Semester and II Semester as per Vardhaman College of Engineering VCE – R11 under Autonomous status | Equivalent subject of JNTUH | Subjects Studied / To be studied |
|------|--|-----------------------------|----------------------------------|
| 1 | Mathematics – I | Mathematics – I | Studied |


| | | | |
|----|--|---|---------------|
| 2 | Engineering Physics | Engineering Physics * | Studied |
| 3 | Engineering Chemistry | Engineering Chemistry | Studied |
| 4 | Probability, Statistics and Computational Techniques | -- | To be Studied |
| 5 | Engineering Mechanics | Engineering Mechanics | Studied |
| 6 | Engineering Physics and Engineering Chemistry Lab | Engineering Physics and Engineering Chemistry Lab | Studied |
| 7 | Engineering Workshop | Engineering Workshop | Studied |
| 8 | Engineering Drawing | Engineering Drawing | Studied |
| 9 | Technical English | English | Studied |
| 10 | Mathematics – II | -- | To be Studied |
| 11 | Environmental Science | -- | To be Studied |
| 12 | Computer Programming | Computer Programming and Data Structures | Studied |
| 13 | Basic Electrical and Electronics Engineering | -- | To be Studied |
| 14 | English Language Communication Skills Lab | English Language Communication Skills Lab | Studied |
| 15 | Computer Programming Lab | Computer Programming Lab | Studied |
| 16 | Advanced Engineering Drawing | -- | To be Studied |

Resolved that to study which are “to be studied” in the above table who has been transferred from CVR College of Engineering, Hyderabad to meet the course structure requirement of I semester and II semester B.Tech (Civil Engineering) of Vardhaman College of Engineering, VCE – R11 regulations when offered in the next academic year as detailed below:

| I Semester | II Semester |
|--|--|
| ABS11T03: Probability, Statistics and Computational Techniques | ABS11T08: Mathematics – II |
| | ABS11T04: Environmental Science |
| | AEE11T02: Basic Electrical and Electronics Engineering |
| | AME11L03: Advanced Engineering Drawing Lab |

Meeting concluded with thanks to the chair.

| | | | |
|---|-----------------------------|--------------------------|---|
| 1 | Prof. N. Venkat Rao | Chairman |  |
| 2 | Dr. M. Viswanadham | JNTUH Nominee |  |
| 3 | Dr. T. Raghunatha Reddy | Member (Subject Expert) |  |
| 4 | Dr. J. V. Gurumurthy | Member (Subject Expert) |  |
| 5 | Mr. P. John Victor | Member (Industry Expert) |  |
| 6 | Dr. K. Chandra sekhar Reddy | Member |  |
| 7 | Dr. G. Reddy Babu | Member |  |


Prof. N. Venkat Rao
Chairman, BOS - CE

VARDHAMAN COLLEGE OF ENGINEERING

(Autonomous)

Shamshabad – 501 218, Hyderabad

DEPARTMENT OF CIVIL ENGINEERING

MINUTES OF SECOND BOARD OF STUDIES (UG) MEETING IN CIVIL ENGINEERING HELD ON 25 FEBRUARY, 2012

Members Present:

| | | |
|---|-------------------------------|---------------------------|
| 1 | Prof. S. Vijaya Bhaskar Reddy | Chairman |
| 2 | Dr. M. Viswanadham | JNTU Nominee |
| 3 | Dr. T. Raghunatha Reddy | Member(Subject Expert) |
| 4 | Dr. J. V. Gurumurthy | Member(Subject Expert) |
| 5 | Mr. P. John Victor | Member(Industrial Expert) |
| 6 | Dr. K. Chandra sekhar Reddy | Member (Subject Expert) |
| 7 | Dr. G. Reddy Babu | Member (Subject Expert) |

The Chairman welcomed all the members present for the second BOS meeting of Civil Engineering.

1. Resolutions of BOS Meeting held on 3 September, 2011:

Resolved to Approve Action Taken Report presented by the Chairman, Board of Studies in Civil Engineering, Prof S. Vijaya Bhaskar reddy (Appendix - I).

2. Course Structure and Syllabi of III, IV, V, VI, VII and VIII Semester B. Tech (CE):

After careful perusal and detailed discussion, the course structure and syllabi of III, IV, V, VI, VII and VIII Semester B. Tech (CE) is Approved (Appendix - II).

3. Substitute (Equivalent) subjects:

Resolved to authorize the Chairman, BOS in Civil Engineering to present the appropriate "Substitute Subjects" to the Chairman, Academic Council.

4. Panel of Examiners for question paper setting for the courses in III and IV semester B. Tech (CE):



SAR
Head Department of Civil
Vardhaman College of Engineering
Sacharam(VII), Shamshabad(Md)
Ranga Reddy (Dist)-501 218

The panel of examiners for question paper setting for the courses in III & IV Semesters proposed by the Chairman, BOS in Civil Engineering are **approved** (Given in annexure – III).

5. **Model Question Papers for the courses in III and IV semester B. Tech (CE):**

After the perusal of Model Question Papers submitted by the chairman, BOS in Civil Engineering for the courses in III & IV Semesters are **approved** (Given in annexure – IV).

6. The Chairman, BOS in CE has requested the members to introduce a skilled professional training Lab, **which is required for the students to be trained in the area required to meet the current day need of the Industry.**

The members appreciated and **RESOLVED** to reduce 2 credits from the VIII semester project work and introduce “Geographical information systems lab” evaluated for 75 marks, out of which 50 marks are for external examination and 25 marks are for internal evaluation.

7. **Amendment to VCE – R11 Regulations:**

COMPREHENSIVE VIVA

Existing:



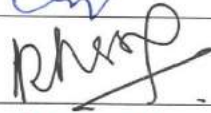


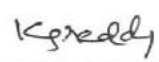

The comprehensive Viva will be conducted by a committee comprising the Head of the Department or his/her nominee, two senior faculty members of the respective department and an external examiner from outside the college. This is aimed at assessing the student's understanding of various subjects studied during the entire program of 4 years. The comprehensive viva shall be evaluated for **50 marks** at the end of VIII semester. A minimum of 40% of maximum marks shall be obtained to earn the corresponding credits.

Amendment:

The comprehensive Viva will be conducted by a committee comprising the Head of the Department or his/her nominee, two senior faculty members of the respective department and an external examiner from outside the college. This is aimed at assessing the student's understanding of various subjects studied during the entire program of 8 Semesters. The comprehensive viva shall be evaluated for **75 marks** at the end of VIII semester. A minimum of 40% of maximum marks shall be obtained to earn the corresponding credits.




Meeting concluded with thanks to the chair.

| | | | |
|---|-------------------------------|--------------------------|---|
| 1 | Prof. S. Vijaya Bhaskar Reddy | Chairman |  |
| 2 | Dr. M. Viswanadham | JNTUH Nominee |  |
| 3 | Dr. T. Raghunatha Reddy | Member (Subject Expert) |  |
| 4 | Dr. J. V. Gurumurthy | Member (Subject Expert) |  |
| 5 | Mr. P. John Victor | Member (Industry Expert) |  |
| 6 | Dr. K. Chandra sekhar Reddy | Member |  |
| 7 | Dr. G. Reddy Babu | Member |  |


Prof. S. Vijaya Bhaskar Reddy
Chairman, BOS - CE




Head Department of Civil
Vardhaman College of Engineering,
Kacharam(VIII), Shamshabad(Md),
Ranga Reddy (Dist)-501 218.

VARDHAMAN COLLEGE OF ENGINEERING

(Autonomous)

Shamshabad – 501 218, Hyderabad

DEPARTMENT OF CIVIL ENGINEERING

MINUTES OF FIRST BOARD OF STUDIES MEETING IN CIVIL ENGINEERING HELD ON 3rd SEPTEMBER, 2011

Members Present:

| | | |
|---|-------------------------------|---------------------------|
| 1 | Prof. S. Vijaya Bhaskar Reddy | Chairman |
| 2 | Dr. M. Viswanadham | JNTU Nominee |
| 3 | Dr. T. Raghunatha Reddy | Member(Subject Expert) |
| 4 | Dr. J. V. Gurumurthy | Member(Subject Expert) |
| 5 | Mr. P. John Victor | Member(Industrial Expert) |
| 6 | Dr. K. Chandra sekhar Reddy | Member (Subject Expert) |
| 7 | Dr. G. Reddy Babu | Member (Subject Expert) |

The Chairman welcomed all the members present for the first BOS meeting of Civil Engineering. The Chairman also thanked the members for their acceptance to be as a member of BOS - Civil Engineering.

1. Approval of Academic Rules & Regulations – B.Tech

It is **RESOLVED** to adopt the B.Tech academic Rules & Regulations as approved in the joint Boards of studies for the B.Tech (CE) programme for the batches of students admitted from the academic year 2011 – 2012 (Given in Annexure – I).

- 2.** As per the suggestions given by the experts the contents of the following three courses were modified: **Engineering Mechanics, Engineering Drawing and Advanced Engineering Drawing** and **RESOLVED** to adopt the modified syllabus in consultation with Chairman, BOS – ME.



3. **Syllabus of I and II Semester Subjects:**

Chairman **Prof. S. Vijaya Bhaskar Reddy** appraised the members that syllabi of the following I and II Semester Subjects of Engineering, were finalized in the meeting of joint Board of Studies.

1. Technical English (common for all Branches)
2. Engineering Physics (common for all Branches)
3. Engineering Chemistry (common for all Branches)
4. Mathematics – I (common for all Branches)
5. Mathematics – II (common for all Branches)
6. Computer Programming (common for all Branches)
7. Environmental Science (common for all Branches)
8. Computational Techniques (ME/ECE)
9. Probability, Statistics and Computational Techniques (CSE/IT/AE/EEE/CE)
10. Data Structures through C (CSE/IT/ECE/EEE)
11. Engineering Mechanics (ME/AE/CE)
12. Basic Electrical Engineering (CSE/IT/ECE/EEE)
13. Basic Electrical and Electronics Engineering (ME/AE/CE)
14. Computer Programming Lab (common for all Branches)
15. Engineering Physics and Engineering Chemistry Lab (common for all Branches)
16. English Language Communication Skills Lab (common for all Branches)
17. Engineering Workshop (ME/AE/CE)
18. PC Software Lab (CSE/IT/ECE/EEE)
19. Data Structures through C Lab (CSE/IT/ECE/EEE)
20. Computer Aided Engineering Drawing Lab (CSE/IT/ECE/EEE)
21. Engineering Drawing (ME/AE/CE)
22. Advanced Engineering Drawing (ME/AE/CE)

4 **Panel of examiners for question paper setting for the courses in I and II semester**

B. Tech (Civil Engineering)

- It is **RESOLVED** to authorize the panel of examiners for question paper setting for I & II Semester B. Tech (CE) subjects Engineering Mechanics, Engineering Drawing & Advanced Engineering Drawing by the Chairman, BOS – ME.



- It is **RESOLVED** to authorize the panel of examiners for question paper setting for the subject Basic Electrical & Electronics Engineering in B. Tech II semester by the Chairman, BOS - Electrical & Electronics Engineering.
 - It is **RESOLVED** to authorize the panel of examiners for question paper setting for the subject Computer Programming in B. Tech II semester by the Chairman, BOS – Computer Science and Engineering.
 - It is **RESOLVED** to authorize the panel of examiners for question paper setting for the subjects Technical English, Engineering Physics, Engineering Chemistry, Mathematics-I, Mathematics-II, Environmental Science, Probability, Statistics and Computational Techniques for Civil Engineering in B. Tech I and II semester by the Chairman, BOS – Freshman Engineering.
5. After the perusal of model Question papers submitted by the Chairman, BOS – ME for the courses Engineering Mechanics, Engineering Drawing and Advanced Engineering Drawing it is resolved to adopt the same.
6. **Subjects of III, IV, V, VI, VII and VIII B.Tech:**
- Course structure of B.Tech (Civil Engineering) was presented by the Chairman BOS, CE Proposed subjects of **III, IV, V, VI, VII and VIII B.Tech** in semester pattern, scheme of instruction, marks, credits and elective subjects were discussed. Introduction of Technical Seminar and Mini Project in VIII Semester, Interdepartmental Elective – I and II in VI and VII semesters respectively, Professional Electives – I in VII semester and Professional Electives – II and III in VIII semester were considered appropriate.

The members unanimously approved the “Course Structure” of B.Tech (Civil Engineering) enclosed in the annexure - III.

7. **Any Other Item:**

a) **III, IV, V, VI, VII and VIII Semester B.Tech (Civil Engineering) Syllabi:**

The members requested the Chairman BOS (CE) to prepare detailed syllabi for III, IV, V, VI, VII and VIII semesters of B.Tech, subjects including elective subjects with the help of Internal Members.



- b) Send the "Draft Syllabi" to all the External Members, obtain and incorporate the suggestions received.

Members resolved to finalize the syllabi of III, IV, V, VI, VIII and VIII semester subjects and elective subjects, in the next meeting of the Board of Studies.

Meeting concluded with thanks to the chair.

| | | | |
|---|-------------------------------|--------------------------|-------------|
| 1 | Prof. S. Vijaya Bhaskar Reddy | Chairman | <i>SVR</i> |
| 2 | Dr. M. Viswanadham | JNTUH Nominee | <i>MV</i> |
| 3 | Dr. T. Raghunatha Reddy | Member (Subject Expert) | <i>DR T</i> |
| 4 | Dr. J. V. Gurumurthy | Member (Subject Expert) | <i>JVG</i> |
| 5 | Mr. P. John Victor | Member (Industry Expert) | <i>PJV</i> |
| 6 | Dr. K. Chandra sekhar Reddy | Member | <i>KSR</i> |
| 7 | Dr. G. Reddy Babu | Member | <i>GRB</i> |

SVR
Prof. S. Vijaya Bhaskar Reddy
Chairman, BOS - CE



SVR
Head of the Department
Civil Engineering
VARDHAMAN COLLEGE OF ENGINEERING
Shamshabad, Hyderabad



VARDHAMAN COLLEGE OF ENGINEERING

(Autonomous)

Shamshabad – 501 218, Hyderabad

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

MINUTES OF FIFTH BOARD OF STUDIES (UG & PG) IN DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

The members of the board of studies in Electrical and Electronics Engineering met on **02nd June, 2018 at 10.00 AM** in the HOD'S chamber for the Fifth BOS meeting of Electrical and Electronics Engineering and resolved the following.

Members Present:

| | | |
|---|----------------------|--------------------------|
| 1 | Dr.N Kiran Kumar | BOS_Chairman |
| 2 | Dr.B.V.Shankar Ram | JNTUH Nominee |
| 3 | Dr. A.V.Giridhar | Member (Subject Expert) |
| 4 | Ms.D Pavithra | Member (Industry Expert) |
| 5 | Dr.H.S.Jain | Member |
| 6 | Dr.T .Sai Rama | Member |
| 7 | Mr.Md Asif | Member |
| 8 | Mr.T C Srinivasa Rao | Member |
| 9 | Mr.S .Nandan | Member (Alumni) |

The Chairman welcomed all the members present for the Fifth BOS meeting of Electrical and Electronics Engineering.

1. Resolutions of BOS Meeting held on 02nd June , 2018:

Resolved to Approve Action Taken Report presented by the Chairman, Board of Studies in Electrical and Electronics Engineering.

2. Regulations, Course Structure of I to VIII Semesters, Syllabi of I and II Semesters of B.Tech (EEE) of R-18 Regulation:

After careful perusal and detailed discussion, the course structure and syllabi of I and II Semester B.Tech (EEE) of R-18 Regulation is approved .

3. Regulations, Course Structure, Syllabi of **I, II, III, and IV Semesters** of **M.Tech (PEED)** of R-18 Regulation
4. Panel of Examiners for question paper setting for the courses in **I and II B. Tech (EEE)** of R-18 Regulation and **I,II, III and IV semester** of **M. Tech (PEED)** of R-18 Regulation
5. The panel of examiners for question paper setting for the courses in **I and II semester B. Tech (EEE)** of R-18 Regulation and **I,II, III and IV semester** of **M. Tech (PEED)** of R-18 Regulation is proposed by the Chairman, BOS in Electrical and Electronics Engineering (**B.Tech**) and **M.Tech(PEED)** are approved in the meeting of BOS
6. **Model Question Papers for the courses in I and II B. Tech (EEE) of R-18 Regulation:**
After the perusal of Model Question Papers submitted by the Chairman, BOS in Electrical and Electronics Engineering for the courses in **I,II, III and IV semester B. Tech (EEE)** of R-18 and **I and II, III and IV semester M.Tech (PEED)** of R-18, it is **RESOLVED** to adopt the same.
7. **Resolutions of BOS Meeting held on 02nd June, 2018:**
Resolved to Approve Action Taken Report presented by the Chairman, Board of Studies in Electrical and Electronics Engineering.
8. **Amendment to VCE – R 18 Regulations:**

Existing : B.Tech(R15 Regulation)

1. The four year curriculum of any B. Tech program of study shall have total of 192 credits. The exact requirements of credits for each course will be as recommended by the Board of Studies concerned and approved by the Academic Council. In the case of lateral entry students, B. Tech program for III, IV, V, VI VII and VIII semesters of study shall have a total 144 credits.
2. The performance of a student in each semester shall be evaluated subject -wise with a maximum of 100 marks each for theory and 100 marks for practical / computer aided engineering drawing lab. In addition, mini - project, technical seminar, and project work shall be evaluated for 100, 100 and 200 marks respectively.
3. The project work shall be evaluated for 200 marks out of which 60 marks for internal evaluation and 140 marks for end-semester evaluation. The project work shall be spread over in VII semester and in VIII semester. The project work shall be somewhat innovative in nature, exploring the research bent of mind of the student. A project batch shall comprise of not more than four students The Two year curriculum of M. Tech programme of study shall have total of 68 credits.
4. The performance of a student in each semester of M.Tech shall be evaluated subject -wise with a maximum of 100 marks each for theory and 100 marks for practical. In addition, Technical seminar, Comprehensive Viva and project work shall be evaluated for 100,100 and 300 marks respectively.

5. The project work shall be evaluated for 300 marks out of which 160 marks for internal evaluation and 140 marks for end-semester evaluation. The project work shall be spread over in III semester and in IV semester.

Amendment for R-18 Regulation

As per the amendment rose:

1. The four year curriculum of B. Tech programme of study shall have total of 160 credits. The exact requirements of credits for each course will be as recommended by the Board of Studies concerned and approved by the Academic Council. In the case of lateral entry students, B. Tech programme for III, IV, V, VI VII and VIII semesters of study shall have a total 122 credits.
2. A new syllabus for the subject Basic Electrical Engineering as proposed by AICTE for I Year B.Tech for EEE/ECE/CSE/IT is adopted with minor changes and Basic Engineering Laboratory for EEE/ECE/CSE/IT is proposed and got approved by the BOS Members
3. The performance of a student in each semester shall be evaluated subject -wise with a maximum of 100 marks each for theory and 100 marks for practical / computer aided engineering drawing lab. In addition, mini - project, technical seminar, and project work shall be evaluated for 100, 100 and 300 marks respectively.
4. The project work shall be evaluated for 300 marks out of which 160 marks for internal evaluation and 140 marks for end-semester evaluation. The project work shall be spread over in VII semester and in VIII semester. The project work shall be somewhat innovative in nature, exploring the research bent of mind of the student. A project batch shall comprise of not more than four students.
5. The Two year curriculum of M. Tech programme of study shall have total of 68 credits.
6. The performance of a student in each semester of M.Tech shall be evaluated subject -wise with a maximum of 100 marks each for theory and 100 marks for practical. In addition, mini - project and project work shall be evaluated for 100 and 300 marks respectively.
7. The project work shall be evaluated for 300 marks out of which 160 marks for internal evaluation and 140 marks for end-semester evaluation. The project work shall be spread over in III semester and in IV semester.

Meeting concluded with thanks to the chair.

| | | | |
|---|----------------------|--------------------------|---|
| 1 | Dr.N Kiran Kumar | BOS,Chairman |  |
| 2 | Dr. B.V. Shankar Ram | JNTUH Nominee |  |
| 3 | Dr. A.V.Giridhar | Member (Subject Expert) |  |
| 4 | Ms D Pavithra | Member (Industry Expert) |  |
| 5 | Dr.H.S.Jain | Member |  |
| 6 | Dr.T Sai Rama | Member |  |
| 7 | Mr.Md Asif | Member |  |
| 8 | Mr.T C Srinivasa Rao | Member |  |
| 9 | Mr.S .Nandan | Member (Alumni) |  |


Dr.N Kiran Kumar
Chairman
Board of Studies in EEE



VARDHAMAN COLLEGE OF ENGINEERING

(Autonomous)

Shamshabad – 501 218, Hyderabad

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

MINUTES OF FOURTH BOARD OF STUDIES (UG) IN ELECTRICAL AND ELECTRONICS ENGINEERING

The members of the board of studies in Electrical and Electronics Engineering met on **26th November, 2016 at 10.30 am** in the HOD'S chamber for the Fourth BOS (UG) meeting of Electrical and Electronics Engineering and resolved the following.

Members Present:

| | | |
|---|------------------------|--------------------------|
| 1 | Mr.Md Asif | Chairman |
| 2 | Dr.B.V.Shankar Ram | JNTUH Nominee |
| 3 | Dr. Vaskar Sarkar | Member (Subject Expert) |
| 4 | Dr. A.V.Giridhar | Member (Subject Expert) |
| 5 | Dr.S.V.N.Jithin Sunder | Member (Industry Expert) |
| 6 | Dr.H.S.Jain | Member |
| 7 | Dr.T .Sai Rama | Member |
| 8 | Dr.D. Swati | Member |
| 9 | Mr.S .Nandan | Member (Alumni) |

The Chairman welcomed all the members present for the Fourth BOS meeting of Electrical and Electronics Engineering.

1. Resolutions of BOS Meeting held on 26th November, 2016:

Resolved to Approve Action Taken Report presented by the Chairman, Board of Studies in Electrical and Electronics Engineering.

2. Course Structure and Syllabi of V,VI,VII and VIII Semesters B.Tech (EEE):

After careful perusal and detailed discussion, the course structure and syllabi of **V,VI,VII and VIII Semester B.Tech (EEE)** is approved .

3. Substitute (Equivalent) subjects:

Resolved to authorize the Chairman, BOS in Electrical and Electronics Engineering to present the appropriate "Substitute Subjects" to the Chairman, Academic Council.

4. **Panel of Examiners for question paper setting for the courses in V,VI,VII and VIII semester B. Tech (EEE):**

The panel of examiners for question paper setting for the courses in V,VI,VII and VIII Semesters proposed by the Chairman, BOS in Electrical and Electronics Engineering are **approved** in the meeting of BOS

5. **Model Question Papers for the courses in V,VI,VII and VIII semester B. Tech (EEE):**

After the perusal of Model Question Papers submitted by the Chairman, BOS in Electrical and Electronics Engineering for the courses in V,VI,VII and VIII Semesters, it is **RESOLVED** to adopt the same.

6. **Amendment to VCE – R 15 Regulations:**

COMPREHENSIVE VIVA

Existing :

- 1 The four year curriculum of any B.Tech programme of study shall have total of 220 credits. The exact requirements of credits for each course will be as recommended by the Board of Studies concerned and approved by the Academic Council. In the case of lateral entry students, B.Tech programme for III, IV, V, VI VII and VIII semesters of study shall have a total 168 credits.
- 2 The performance of a student in each semester shall be evaluated subject -wise with a maximum of 100 marks each for theory and 75 marks for practical / computer aided engineering drawing lab. In addition, mini - project, technical seminar, comprehensive viva and project work shall be evaluated for 50, 50, 50 and 200 marks respectively.
- 3 The project work shall be evaluated for 100 marks out of which 25 marks for internal evaluation and 75 marks for end-semester evaluation. The project work shall be spread over in VII semester and in VIII semester. The project work shall be somewhat innovative in nature, exploring the research bent of mind of the student. A project batch shall comprise of not more than four students
- 4 The comprehensive Viva will be conducted by a committee comprising Head of the Department or his/her nominee, two senior faculty of the respective department and an external examiner from outside the college. This is aimed at assessing the student's understanding of various subjects studied during the entire program of 8 Semesters. The comprehensive viva shall be evaluated for 75 marks at the end of VIII semester. A minimum of 40% of maximum marks shall be obtained to earn the corresponding credits.

Amendment:

As per the amendment rose:

- 1 The four year curriculum of any B. Tech programme of study shall have total of 192 credits. The exact requirements of credits for each course will be as recommended by the Board of Studies concerned and approved by the Academic Council. In the case of lateral entry students, B. Tech programme for III, IV, V, VI VII and VIII semesters of study shall have a total 144 credits.
- 2 The performance of a student in each semester shall be evaluated subject -wise with a maximum of 100 marks each for theory and 100 marks for practical / computer aided engineering drawing lab. In addition, mini - project, technical seminar, and project work shall be evaluated for 100, 100 and 200 marks respectively.
- 3 The project work shall be evaluated for 200 marks out of which 60 marks for internal evaluation and 140 marks for end-semester evaluation. The project work shall be spread over in VII semester and in VIII semester. The project work shall be somewhat innovative in nature, exploring the research bent of mind of the student. A project batch shall comprise of not more than four students
- 4 The comprehensive Viva which is to be conducted in final year is removed in R-15 regulation and the credits are added to project work.

Meeting concluded with thanks to the chair.

| | | | |
|---|------------------------|--------------------------|---|
| 1 | Mr.Md.Asif | Chairman |  |
| 2 | Dr.B.V.Shankar Ram | JNTUH Nominee |  |
| 3 | Dr. Vaskar Sarkar | Member (Subject Expert) | Vaskar Sarkar |
| 4 | Dr. A.V.Giridhar | Member (Subject Expert) |  |
| 5 | Dr.S.V.N.Jithin Sunder | Member (Industry Expert) |  |
| 6 | Dr.H.S.Jain | Member |  |
| 7 | Dr.T Sai Rama | Member |  |
| 8 | Dr.D. Swati | Member |  |
| 9 | Mr.S .Nandan | Member (Alumni) |  |


Md.Asif
Chairman
Board of Studies in EEE



VARDHAMAN COLLEGE OF ENGINEERING

(Autonomous)

Shamshabad – 501 218, Hyderabad

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

MINUTES OF THIRD BOARD OF STUDIES (UG) IN ELECTRICAL AND ELECTRONICS ENGINEERING

The members of the board of studies in Electrical and Electronics Engineering met on 25th July, 2015 at 10.30 am in the HOD'S chamber for the third BOS (UG) meeting of Electrical and Electronics Engineering and resolved the following.

Members Present:

| | | |
|---|------------------------|--------------------------|
| 1 | Dr.D.Swati | Chairman |
| 2 | Dr.N.Yadaiah | JNTUH Nominee |
| 3 | Dr. Vaskar Sarkar | Member (Subject Expert) |
| 4 | Dr. A.V.Giridhar | Member (Subject Expert) |
| 5 | Dr.S.V.N.Jithin Sunder | Member (Industry Expert) |
| 6 | Dr.H.S.Jain | Member |
| 7 | Mr.T.C.Srinivasa Rao | Member |
| 8 | Mr.Md.Asif | Member |
| 9 | Mr.G.Naveen Kumar | Member (Alumni) |

The Chairman welcomed all the members present for the third BOS meeting of Electrical and Electronics Engineering.

1. Resolutions of BOS Meeting held on 25th July 2015:

Resolved to Approve Action Taken Report presented by the Chairman, Board of Studies in Electrical and Electronics Engineering.

2. Course Structure and Syllabi of I, II, III, and IV, Semesters B.Tech (EEE) of R-15 Regulation:

After careful perusal and detailed discussion, the course structure and syllabi of I, II, III, and IV Semester B.Tech (EEE) of R-15 Regulation is approved .

3. Syllabi of V,VI,VII and VIII Semesters B.Tech (EEE) of R-14 Regulation:

After careful perusal and detailed discussion, the course structure and syllabi of V,VI,VII and VIII Semesters B.Tech (EEE) of R-14 Regulation is approved .

4. **Course Structure and Syllabi of I, II, III, and IV Semester M.Tech (PEED) of R-15 Regulation:**
After careful perusal and detailed discussion, the course structure and syllabi of I, II, III, and IV Semester M.Tech (PEED) of R-15 Regulation is approved .
5. **Substitute (Equivalent) subjects:**
Resolved to authorize the Chairman, BOS in Electrical and Electronics Engineering to present the appropriate "Substitute Subjects" to the Chairman, Academic Council.
6. **Panel of Examiners for question paper setting for the courses in I,II, III and IV semester B. Tech (EEE) of R-15 and V,VI,VII and VIII Semesters of B.Tech (EEE) R-14 Regulation and I, II, III, and IV Semester M.Tech (PEED) of R-15 Regulation:**
7. The panel of examiners for question paper setting for the courses in I,II, III and IV semester B. Tech (EEE) of R-15 , V,VI,VII and VIII Semesters of B.Tech (EEE) R-14 Regulation and I, II, III, and IV Semesters M.Tech (EEE) of R-15 Regulation is proposed by the Chairman, BOS in Electrical and Electronics Engineering (B.Tech) and Power Electronics and Electrical Drives(M.Tech) are approved in the meeting of BOS
8. **Model Question Papers for the courses in I,II, III and IV semester B. Tech (EEE) of R-15 and V,VI,VII and VIII Semesters of B.Tech (EEE) R-14 Regulation B. Tech (EEE) and I, II, III, and IV Semester M.Tech (PEED) of R-15 Regulation:**
After the perusal of Model Question Papers submitted by the Chairman, BOS in Electrical and Electronics Engineering for the courses in I,II, III and IV semester B. Tech (EEE) of R-15 , V,VI,VII and VIII Semesters of B.Tech (EEE) R-14 Regulation and I, II, III, and IV Semester M.Tech (PEED) of R-15 Regulation, it is RESOLVED to adopt the same.
9. **Amendment to VCE – R 15 Regulations:**
Existing :
B.Tech:
 - 1 The four year curriculum of any B.Tech programme of study shall have total of 220 credits. The exact requirements of credits for each course will be as recommended by the Board of Studies concerned and approved by the Academic Council. In the case of lateral entry students, B.Tech programme for III, IV, V, VI VII and VIII semesters of study shall have a total 168 credits.
 - 2 The performance of a student in each semester shall be evaluated subject -wise with a maximum of 100 marks each for theory and 75 marks for practical / computer aided

engineering drawing lab. In addition, mini - project, technical seminar, comprehensive viva and project work shall be evaluated for 50, 75, 100 and 200 marks respectively.

- 3 The project work shall be evaluated for 200 marks out of which 50 marks for internal evaluation and 150 marks for end-semester evaluation. The project work shall be spread over in VII semester and in VIII semester. The project work shall be somewhat innovative in nature, exploring the research bent of mind of the student. A project batch shall comprise of not more than four students
- 4 The comprehensive Viva will be conducted by a committee comprising Head of the Department or his/her nominee, two senior faculty of the respective department and an external examiner from outside the college. This is aimed at assessing the student's understanding of various subjects studied during the entire program of 8 Semesters. The comprehensive viva shall be evaluated for 100 marks at the end of VIII semester. A minimum of 40% of maximum marks shall be obtained to earn the corresponding credits.

M.Tech:

- 5 The two year curriculum of any M.Tech programme(PEED) of study shall have total of 88 credits. The exact requirements of credits for each course will be as recommended by the Board of Studies concerned and approved by the Academic Council.
- 6 The performance of a student in each semester shall be evaluated subject -wise with a maximum of 100 marks each for theory and 100 marks for practical .In addition two technical seminars(One in each I and II Semester) and comprehensive viva shall be evaluated for 50 and 50 marks respectively and project work shall be evaluated for 200Marks in III semesters(50 marks Internal) and IV Semester (50 Marks internal and 100 Marks External) .

Amendment:

As per the amendment rose:

- 1 The four year curriculum of any B. Tech programme of study shall have total of 192 credits. The exact requirements of credits for each course will be as recommended by the Board of Studies concerned and approved by the Academic Council. In the case of lateral entry students, B. Tech programme for III, IV, V, VI VII and VIII semesters of study shall have a total 144 credits.
- 2 The performance of a student in each semester shall be evaluated subject -wise with a maximum of 100 marks each for theory and 100 marks for practical / computer aided engineering drawing lab. In addition, mini - project, technical seminar, and project work shall be evaluated for 100, 100 and 200 marks respectively.

- 3 The project work shall be evaluated for 200 marks out of which 60 marks for internal evaluation and 140 marks for end-semester evaluation. The project work shall be spread over in VII semester and in VIII semester. The project work shall be somewhat innovative in nature, exploring the research bent of mind of the student. A project batch shall comprise of not more than four students
- 4 The comprehensive Viva which is to be conducted in final year is removed in B.Tech R-15 regulation and the credits are added to project work.
- 5 For M.Tech Theory and Practical shall be evaluated for 100 marks, out of which 70 marks are for external examination and 30 marks are for internal evaluation.
- 6 Technical seminar are distributed between two halves of the semester and are evaluated for 100 marks each. The average of the two components shall be taken as the final score. A minimum of 50% of maximum marks shall be obtained to earn the corresponding credits.
- 7 The project work shall be evaluated for 300 marks out of which 100 marks for phase – I internal evaluation, 60 marks for phase – II internal evaluation and 140 marks for end semester evaluation. A minimum of 50% of marks on the aggregate in the internal evaluation and external end-evaluation taken together shall be obtained to earn the corresponding credits.

Meeting concluded with thanks to the chair.

| | | | |
|---|------------------------|--------------------------|---|
| 1 | Dr.D.Swati | Chairman |  |
| 2 | Dr.N.Yadaiah | JNTUH Nominee |  |
| 3 | Dr. Vaskar Sarkar | Member (Subject Expert) |  |
| 4 | Dr. A.V.Giridhar | Member (Subject Expert) |  |
| 5 | Dr.S.V.N.Jithin Sunder | Member (Industry Expert) |  |
| 6 | Dr.H.S.Jain | Member |  |
| 7 | Mr.T.C.Srinivasa Rao | Member |  |
| 8 | Mr.Md.Asif | Member |  |
| 9 | Mr.G.Naveen Kumar | Member (Alumni) |  |


Dr. D. Swati
Chairman

Board of Studies in EEE

VARDHAMAN COLLEGE OF ENGINEERING

(Autonomous)

Shamshabad – 501 218, Hyderabad

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

MINUTES OF BOARD OF STUDIES (UG & PG) IN ELECTRICAL AND ELECTRONICS ENGINEERING

The members of the board of studies in Electrical and Electronics Engineering met on 30TH August, 2014 at 11.30 AM in the HOD'S chamber for the BOS (UG & PG) meeting of Electrical and Electronics Engineering and resolved the following.

Members Present:

| | | |
|---|------------------------|--------------------------|
| 1 | Prof. D. Shobha Rani | Chairman |
| 2 | Dr.N.Yadaiah | JNTUH Nominee |
| 3 | Dr. Vaskar Sarkar | Member (Subject Expert) |
| 4 | Dr. A.V.Giridhar | Member (Subject Expert) |
| 5 | Dr.S.V.N.Jithin Sunder | Member (Industry Expert) |
| 6 | Dr.H.S.Jain | Member |
| 7 | Dr.T.Sai Rama | Member |
| 8 | Dr.D.Swati | Member |
| 9 | Mr.G.Naveen Kumar | Member (Alumni) |

The Chairman welcomed all the members present for the BOS meeting of Electrical and Electronics Engineering. The Chairman also thanked the members for their acceptance to be as a member of BOS (Electrical and Electronics Engineering)

1. Approval of Academic Rules & Regulations – B.Tech:

It is **RESOLVED** to adopt the B.Tech academic Rules and Regulations as approved in the Joint Board of Studies for the B.Tech (EEE) program for the batches of students admitted from the academic year 2014 – 15.


2. Finalization of Course Structure for the academic year 2014-15 and Syllabi of I II III and IV Semesters B.Tech (EEE).

After careful perusal and detailed discussion, the course Structure for the academic year 2014-15 and Syllabi of I, II, III and IV Semesters B.Tech (EEE) is approved with the following modifications:

- i. As per the suggestions given by the experts the contents of the courses **Basic Electrical Engineering and Network Analysis** were modified.
 - ii. Electronic Devices and Electronic Devices Lab were shifted to II Semester from III Semester.
 - iii. Environmental Science was moved from II Semester to IV Semester.
 - iv. Soft Computing subject which was in core category in V Semester is moved to VII-Semester as an Elective subject.
 - v. The core subject Electrical Measurements and the elective subject Instrumentation were combined into a single subject in the core category as Electrical Measurements and Instrumentation.
 - vi. The three subjects DC Machines, AC Machines – I and AC Machines – II were minimized to two subjects Electrical Machines – I and Electrical Machines – II.
 - vii. The syllabus of Power System Generation is modified by adding the topics of Non-Conventional energy sources and the subject Power system transmission and distribution is divided into two subjects Power systems transmission and Power systems distribution.
 - viii. Power System Operation and Control was shifted from VII Semester to VI Semester.
 - ix. High Voltage Engineering the Elective Subject in VII Semester was made as a core subject in VII Semester.
 - x. Power Semiconductor Drives Lab was introduced in the VII Semester.
 - xi. Utilization of Electrical Energy, the core subject in VIII Semester was moved to VII Semester as a core category subject.
 - xii. High Voltage DC Transmission and FACTS was introduced as a core subject in VIII Semester.
3. **Panel of Examiners for question paper setting for the courses in I, II, III and IV semester B. Tech (EEE):**
- The panel of examiners for question paper setting for the courses in I, II, III & IV Semesters proposed by the Chairman, BOS in Electrical and Electronics Engineering are **approved** in the meeting of BOS.
4. **Finalization of Course Structure and Syllabi for the academic year 2014-15 of I II III and IV Semesters M.Tech (PEED).**
- The members resolved to persist the same Course Structure and Syllabi of the academic year 2013-14 of M.Tech (PEED).

Meeting concluded with thanks to the chair.

| | | | |
|---|------------------------|--------------------------|---|
| 1 | Prof. D. Shobha Rani | Chairman |  |
| 2 | Dr.N.Yadaiah | JNTUH Nominee |  |
| 3 | Dr. Vaskar Sarkar | Member (Subject Expert) | Vaskar Sarkar |
| 4 | Dr. A.V.Giridhar | Member (Subject Expert) |  |
| 5 | Dr.S.V.N.Jithin Sunder | Member (Industry Expert) |  |
| 6 | Dr.H.S.Jain | Member |  |
| 7 | Dr.T.Sairama | Member |  |
| 8 | Dr.D.Swati | Member |  |
| 9 | Mr.G.Naveen Kumar | Member (Alumni) |  |


Prof. D. Shobha Rani
Chairman

Board of Studies in EEE

VARDHAMAN COLLEGE OF ENGINEERING

(Autonomous)

Shamshabad – 501 218, Hyderabad

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

MINUTES OF

FIRST BOARD OF STUDIES MEETING (UG) HELD ON 3rd SEPTEMBER, 2011

Members Present:

| | | |
|---|-----------------------------|-----------------|
| 1 | Prof. D. Shobha Rani | Chairman |
| 2 | Dr. N. Yadaiah | JNTUH Nominee |
| 3 | Dr. M. Sydulu | Subject Expert |
| 4 | Dr. T. Devaraju | Subject Expert |
| 5 | Mr I. Sudhakar Rao | Industry Expert |
| 6 | Dr. T. Manjunath | Member |
| 7 | Mr T. Srinivasa Rao | Member |
| 8 | Mr K. Hanumantha Rao | Member |
| 9 | Mr Sridhar Chouhan | Alumni |

The Chairman welcomed all the members present for the first BOS meeting of Electrical and Electronics Engineering. The Chairman also thanked the members for their acceptance to be as a member of BOS (Electrical and Electronics Engineering).

1. Approval of Academic Rules & Regulations – B.Tech

It is **RESOLVED** to adopt the B.Tech academic Rules & Regulations as approved in the Joint Board of Studies for the B. Tech (EEE) program for the batches of students admitted from the academic year 2011 – 2012 (Given in Annexure – I).

2. As per the suggestions given by the experts the contents of the following two courses were modified: Basic Electrical Engineering, Basic Electrical and Electronics Engineering and RESOLVED to adopt the modified syllabus.

3. Syllabus of I and II Semester Subjects:

Chairman **Prof. D. Shobha Rani** appraised the members that syllabi of the following I and II Semester Subjects of Engineering, were finalized in the meeting of Joint Board of Studies.

1. Technical English (Common for all Branches)
2. Engineering Physics (Common for all Branches)
3. Engineering Chemistry (Common for all Branches)
4. Mathematics – I (Common for all Branches)
5. Mathematics – II (Common for all Branches)
6. Computer Programming (Common for all Branches)
7. Environmental Science (Common for all Branches)
8. Computational Techniques (ME/ECE)
9. Probability, Statistics and Computational Techniques (CSE/IT/AE/EEE/CE)
10. Data Structures through C (CSE/IT/ECE/EEE)
11. Engineering Mechanics (ME/AE/CE)
12. Basic Electrical Engineering (CSE/IT/ECE/EEE)
13. Basic Electrical and Electronics Engineering (ME/AE/CE)
14. Computer Programming Lab (common for all Branches)
15. Engineering Physics and Engineering Chemistry Lab (common for all Branches)
16. English Language Communication Skills Lab (common for all Branches)
17. Engineering Workshop (ME/AE/CE)
18. PC Software Lab (CSE/IT/ECE/EEE)
19. Data Structures through C Lab (CSE/IT/ECE/EEE)
20. Computer Aided Engineering Drawing Lab (CSE/IT/ECE/EEE)
21. Engineering Drawing (ME/AE/CE)
22. Advanced Engineering Drawing (ME/AE/CE)

4. Panel of Examiners for question paper setting for the courses in I and II semester B. Tech(EEE)

- The panel of examiners for question paper setting for I & II Semesters proposed by the Chairman, BOS – Electrical and Electronics Engineering for Basic Electrical Engineering for EEE, ECE, CSE & IT and Basic Electrical and Electronics Engineering for ME, AE & CE are **approved** in the meeting of Board of Studies - Electrical and Electronics Engineering (Given in annexure – II).

➤ It is **RESOLVED** to authorize the panel of examiners for question paper setting for the subject Computer Programming, Data Structures through C in B. Tech I and II Semester by the Chairman, BOS - Computer Science and Engineering

➤ It is **RESOLVED** to authorize the panel of examiners' for question paper setting for the subjects Technical English, Engineering Physics, Engineering Chemistry, Mathematics – I, Mathematics – II, Environmental Science, Probability Statistics and Computational Techniques for Electrical and Electronics Engineering in B. Tech I and II semesters by the Chairman, BOS - Freshman Engineering.

5. After the perusal of Model Question Papers submitted by the chairman, BOS – EEE for the courses, Basic Electrical Engineering and Basic Electrical and Electronics Engineering, it is **RESOLVED** to adopt the same.

6. **Subjects of III, IV, V, VI, VII and VIII B.Tech:**

Course structure of B. Tech (Electrical and Electronics Engineering) was presented by the Chairman BOS, EEE Proposed subjects of III, IV, V, VI, VII and VIII B.Tech in semester pattern, scheme of instruction, marks, credits and elective subjects were discussed. Introduction of Technical Seminar and Mini Project in VIII Semester, Interdepartmental Elective – I and II in VI and VII semesters respectively, Professional Electives – I in VII semester and Professional Electives – II and III in VIII semester were considered appropriate.

The members unanimously approved the “Course Structure” of B. Tech (Electrical and Electronics Engineering) enclosed in the annexure - III.

7. **Any Other Item:**

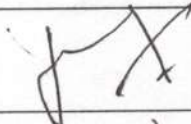
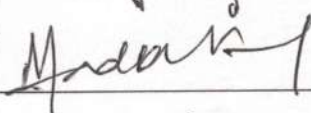

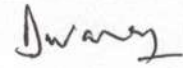

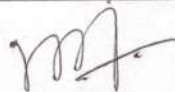

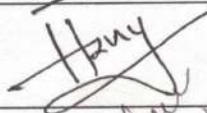

a) **III, IV, V, VI, VII and VIII Semester B. Tech (Electrical and Electronics Engineering) Syllabi:**

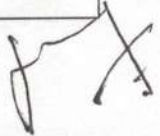
The members requested the Chairman BOS (EEE) to prepare detailed syllabi for III, IV, V, VI, VII and VIII semesters of B.Tech, subjects including elective subjects with the help of Internal Members.

- b) Send the "Draft Syllabi" to all the External Members, obtain and incorporate the suggestions received.

Members resolved to finalize the syllabi of III, IV, V, VI, VIII and VIII semester subjects and elective subjects, in the next meeting of the Board of Studies.

Meeting concluded with thanks to the chair.

| | | | |
|---|----------------------|-----------------|---|
| 1 | Prof. D. Shobha Rani | Chairman |  |
| 2 | Dr. N. Yadaiah | JNTUH Nominee |  |
| 3 | Dr. M. Sydulu | Subject Expert |  |
| 4 | Dr. T. Deva Raju | Subject Expert |  |
| 5 | Mr I. Sudhakar Rao | Industry Expert |  |
| 6 | Dr.T. Manjunath | Member |  |
| 7 | Mr T. Srinivasa Rao | Member |  |
| 8 | Mr K. Hanumantha Rao | Member |  |
| 9 | Mr Sridhar Chouhan | Alumni |  |


Prof. D. Shobha Rani
Chairman, BOS - EEE

VARDHAMAN COLLEGE OF ENGINEERING

(Autonomous)

Shamshabad – 501 218, Hyderabad

Board of Studies in Mechanical Engineering

6th Meeting held on 2nd June, 2018

Minutes

Members Present:

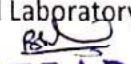
| | | |
|----|--------------------------|-----------------|
| 1. | Dr. B Subbaratnam | Chairman |
| 2. | Dr. B Sudheer Prem Kumar | JNTU Nominee |
| 3. | Dr. A V S S K Gupta | Subject Expert |
| 4. | Mr. Ajay P Chowdary | Industry Expert |
| 5. | Mr. P. Mastanaiah | Industry Expert |
| 6. | Dr. B. Venkatesh | Member |
| 7. | Prof. K Deepak | Member |
| 8. | Prof. N Srinivasa Reddy | Member |
| 9. | Mr. P. Sarkar | Member |

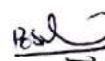
Members Absent:

| | | |
|---|--------------------------|-----------------------|
| 1 | Dr. K. Hemachandra Reddy | Subject Expert |
| 2 | Mr. A Suraj Kumar | Alumni & Entrepreneur |

The Chairman welcomed all the BOS members present for the meeting of Mechanical Engineering. The Chairman also thanked all the members for extending their cooperation to review the B. Tech. and M. Tech. course structure and syllabi of VCE-R18 regulations. The following points have been discussed.

1. Dr. A V S S K Gupta suggested instead of Engineering Graphics and Design change the subject title as "Engineering Graphics & Computer Aided Drafting".
2. Mr. P. Mastanaiah & Dr. A V S S K Gupta suggested the subject Basic Electrical and Electronics theory and Laboratory instead of only Basic electronics subject.

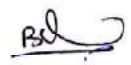

HEAD
MECHANICAL ENGINEERING DEPT.
Vardhaman College of Engineering
Shamshabad (Md), R.R. Dist - 501 218



1/4

3. Mr. Ajay P Chowdary suggested instead of **Mechanics of Solids Laboratory** add some experiments of Engineering Mechanics and rename the title as "**Engineering Mechanics & Mechanics of Solids Laboratory**" if possible.
4. Dr. A V S S K Gupta & Dr. B Sudheer Prem Kumar advised to incorporate "**IC Engines & Gas Turbines**" as elective subject.
5. Mr. P Mastanaiah suggested changing the subject title **Kinematics & Theory of Mechines** to "**Theory of Machines**" if possible.
6. Mr. Ajay P Chowdary advised to change the **Manufacturing Technology** subject title to "**Metrology and Machine Tools**" and to add **Metrology and Machine Tools Lab**.
7. Dr. Sudheer Prem Kumar suggested incorporating "**Advanced Laboratories**" in course curriculum.
8. Mr. Ajay P Chowdary & Dr. A V S S K Gupta suggested incorporate more labs in the curriculum if possible.
9. Dr. A V S S K Gupta suggested change the subject title **Computer aided Design** to "**CAD/CAM**".
10. Dr. Sudheer Prem Kumar & Mastanaiah suggested that if possible combined "**Heat Transfer and Refrigeration & Air Conditioning Lab**" if possible.
11. Mr. P Mastanaiah suggested adding a new course which can give insight of **Manufacturing Process** involved in making of the Components drawn in the course of "**Machine Drawing**" depending up on the feasibility in the course structure.
12. Mr. P Mastanaiah suggested adding "**NDT Technique Experiments**" in "**Production Technology Laboratory**" (if possible).
13. Mr. Ajay P Chowdary & P Mastanaiah suggested to include **Destructive & Non Destructive test** in **Manufacturing Process** course and to remove **Un-Conventional Machining Process**(i. e Unit V in Manufacturing Process)
14. Mr. P Sarkar suggested include extrusion topic in "**Manufacturing Process**".
15. Dr. K. Deepak suggested to restructure the content of "**Fluid Mechanics& Hydraulic Machine**" so that 3 units include **Fluid Mechanics** & 2 units include **Hydraulic Machines** and supported by Dr. A V S S K Gupta.

16. Dr. B Subbaratnam suggested to change the title of FEM as "Finite Element Analysis".
17. Dr. B. Venkatesh supported by Dr. A V S S K Gupta and Dr. B Subbaratnam advised to change the title as **Experimental Stress Analysis** instead of "Advanced Stress Analysis".
18. Mr. P. Mastanaiah advised to change the title "Advance Metallurgy as Engineering Metallurgy.
19. Dr. A V S S K Gupta suggested changing the title of the subject "Mechanical Vibrations" to **Advanced Mechanical Vibrations** (if possible).
20. Mr. P. Mastanaiah suggested adding the course title "Selection of Materials for Design" in M.Tech course curriculum and adding **research methodology** in course (if possible)..
21. Mr. P. Mastanaiah suggested use of latest software to be incorporated in laboratory sessions.
22. Mr. N. Srinivas Reddy Suggested operation research subject as compulsory subject (if possible).
23. Dr. B. Subbaratnam suggested adding Engineering Mechanics laboratory in the program.
24. Dr. K. Deepak suggested "Refrigeration and Air Conditioning" as compulsory subject and Dr. AVSSK Gupta recommended to the above subject as Professional elective.
25. Dr. AVSSK Gupta and Dr. B. Sudheer Prem Kumar suggested prepare the course content not to repeat in the topics in other subjects and keep the advanced topics in the courses.
26. The following list of Open Source /Freeware Software for the academic year 2016 -17 and 2017-18 is approved by the BOS Committee of Mechanical Engineering.
 - i. AutoCAD
 - ii. OCTAVE
 - iii. ELMER
27. Dr. Sudheer Prem Kumar and P. Mastanaiah suggested adding latest topics in the **Thermal Engineering Lab** which will help the students.
28. All the members were appreciated the preparation of course scheme for UG & PG Programs.


W U A D
MECHANICAL ENGINEERING DEPT.
Yardham, Dept of Engineering
Shamshabad (Md), R.R. Dist - 501 202 3/4

Any Other Item:



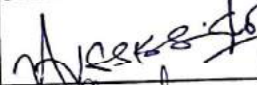

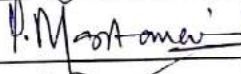

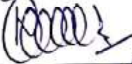
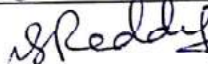
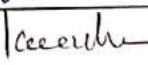
- a) I, II, III and IV Semesters B. Tech (Mechanical Engineering) Syllabi:

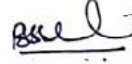
The members requested the Chairman BOS (ME) to prepare detailed syllabi for I, II, III and IV semesters of B. Tech based on AICTE model curriculum, subjects including elective subjects with the help of Internal Members.

- b) Send the "Draft Syllabi" to all the External Members, obtain and incorporate the suggestions received.

Members finalized VCE – R18 course structure and syllabi B. TECH. I, II, III & IV semesters subjects and finalized VCE R18 course structure and syllabi of M. Tech. I, II, III & IV semesters subjects based on AICTE model curriculum.

Since there were no more points to discuss the meeting has been concluded with thanks to the chair.

| | | | |
|----|--------------------------|-----------------|---|
| 1. | Dr. B Subbaratnam | Chairman |  |
| 2. | Dr. B Sudheer Prem Kumar | JNTU Nominee |  |
| 3. | Dr. A V S S K Gupta | Subject Expert |  |
| 4. | Mr. Ajay P Chowdary | Industry Expert |  |
| 5. | Mr. P. Mastanaiah | Industry Expert |  |
| 6. | Dr. B. Venkatesh | Member |  |
| 7. | Prof. K Deepak | Member |  |
| 8. | Prof. N Srinivasa Reddy | Member |  |
| 9. | Mr. P Sarkar | Member |  |


Dr. B Subbaratnam
Chairman
Board of Studies in ME

B.T.E.D.
Mechanical Engineering Dept.
Vardh. ...
Chandrababu Naidu, R.R. Dist - 574 200

VARDHAMAN COLLEGE OF ENGINEERING

(Autonomous)

Shamshabad – 501 218, Hyderabad

Board of Studies in Mechanical Engineering

5th Meeting held on 19th November, 2016

Minutes

Members Present:

| | | |
|-----|--------------------------|-----------------------|
| 1. | Dr. B Subbaratnam | Chairman |
| 2. | Dr. B Sudheer Prem Kumar | JNTU Nominee |
| 3. | Dr. A V S S K Gupta | Subject Expert |
| 4. | Dr. Sriram Venkatesh | Subject Expert |
| 5. | Mr. P. Sasidharan | Industry Expert |
| 6. | Dr. B. Venkatesh | Member |
| 7. | Dr. A Tharakeshwar | Member |
| 8. | Prof. K Deepak | Member |
| 9. | Prof. N Srinivasa Reddy | Member |
| 10. | Mr. P Sarkar | Member |
| 11. | Mr. A. Suraj Kumar | Alumni & Entrepreneur |

The Chairman welcomed all the BOS members present for the meeting of Mechanical Engineering. The Chairman also thanked all the members for extending their cooperation to review the B. Tech. and M. Tech. course structure and syllabi of VCE-R15 regulations. The following points have been discussed.

1. The chairman announced the list of subjects of B. Tech. V, VI, VII & VIII semester subjects of VCE R15 to be finalized.
2. Dr. Sriram Venkatesh suggested that to conduct the BOS meeting every year instead of every two year so that the syllabus can be framed based on the current industrial & academic requirements. He also suggested fixing only course structure template and scheme of evaluation while introducing new regulations.
3. Dr. AVSSK Gupta stressed for the industrial oriented subject for which the chairman has convinced that it has been incorporated as **Mini Project** in the VII semester.

4. Dr. Sriram Venaktesh suggested change the name of the subject from **"Rapid Prototyping"** to **"Additive Manufacturing"** in the VII semester.
5. Dr. Gupta suggested change the term **"Engine Lathe"** to **"Lathe Machines"** in the **Production Technology-II** subject of V Semester. He suggested renaming the unit V as **"Surface Finishing Machine and Jigs"**. He also suggested to insert **","** after **"Shaping"** in the Unit – III title.
6. In DMM-II subject Dr. Sriram Venkatesh suggested to put the Unit name as **"GEAR DRIVES"** instead of **"BEVEL GEAR"** and **"WORM GEARS"**.
7. Dr. Sudeer Prem Kumar emphasized to prescribe standard books for text books and to avoid the Rajput and Kurmi type books.
8. Dr. Gupta suggested to revise the syllabus of **"Thermal Engineering – II"** in V Semester. The Boilers and Condensers are to be replaced in one Unit and optimum pressure. It was also suggested to include the text book authored by **"Rathore"**, TMH.
9. Dr. Sriram Venkatesh suggested to include Design text books authored by **"SPOTTS"**, **"Pandya and Shah"**, and **"Kannaiah"**.
10. In Heat Transfer Dr. Sudheer Prem Kumar suggested that include the text book authored by **"D. S. Kumar"** in the text book section and move the Heat Transfer by **"Thirumalleswar"** to reference section.
11. Dr. Gupta suggested to include power steering in **"Automobile Engineering"** syllabus and to add latest terminologies by referring syllabus of other universities.
12. It was suggested to change the torsion topic to torsion of non-circular shape in Strength of Materials-II subject.
13. It was suggested to remove **"IIT Kharagpur"**, from the 3rd reference book in **Manufacturing of Composite Materials** subject.
14. In Power Plant Engineering subject it was suggested to remove the book authored by **"Rajput"** and suggested to include the books authored by **"P.K. Nag"** and **"G.D. Roy"**
15. In Heat Transfer Lab Dr. Gupta suggested to change the title of 4th and 15th experiment and to start them with **"Determine the"**.
16. In MMT Lab it was suggested to change **"minimum 12"** experiments to **"6 from each experiment"**.

17. Dr Gupta suggested that for the First Year Engineering Drawing-I and Engineering Drawing-II subjects better to have 100% Manual practice instead of 50% manual practice and 50% CAD practice. The necessary changes have made and approved by the BOS committee members.
18. In Computer Aided Design and Manufacturing subject of VII Semester, Dr. Sriram Venkatesh suggested that replace "Transformation" with "2D and 3D Transformation".
19. In **Design of Production Tooling** subject of Professional Elective-III, it was suggested to include "Design of Jigs" in place of "Drill Jigs".
20. In **NDT Techniques** subject of Professional Elective-III, it was suggested to include Evaluation of NDT. It was informed to remove the title "OTHER METHODS" in unit-V.
21. Dr. Gupta suggested that include "Introduction" in Materials for high temperature applications subject of professional elective-III. The spacing between "**Oxidization and hot corrosion**" to be corrected. He also suggested to include the book on "**Fracture Mechanics**" by Prashant Kumar
22. Dr Gupta suggested that replace "Practical Problems" title of unit-V in **Fatigue and Fracture Mechanics** subject of Professional Elective-IV.
23. It was suggested to merge **Manipulator Dynamics I and II** of unit-III in **Robotics** subject of Professional Elective-IV
24. In PDP and ICS lab, it was suggested to modify the list of Experiments.
25. In Refrigeration and Air Conditioning subject, in was suggested to include the text book in the order as C.P. Arora, Arora and Domkunwar, and R.C. Arora(TMh).
26. For CFD subject of Professional Elective -V, it was suggested to reorient the syllabus with the JNTU syllabus.
27. The following list of Open Source /Freeware Software for the academic year 2016 -17 and 2017-18 is approved by the BOS Committee of Mechanical Engineering.
 - i. AutoCAD
 - ii. OCTAVE
 - iii. ELMER
28. As per the suggestions given by the experts and BOS members content in some courses and text books and reference books were modified

Any Other Item:



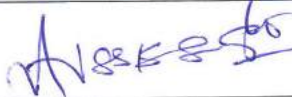


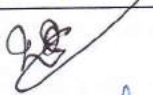


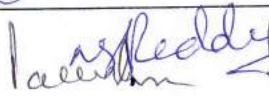
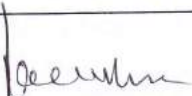
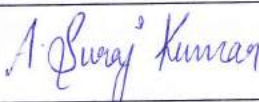
a) V,VI,VII and VIII Semester B.Tech (Mechanical Engineering) Syllabi:


The members requested the Chairman BOS (ME) to prepare detailed syllabi for V, VI, VII and VIII semesters of B.Tech, subjects including elective subjects with the help of Internal Members.

b) Send the "Draft Syllabi" to all the External Members, obtain and incorporate the suggestions received.

Members finalized VCE – R15 syllabi of B. TECH. V, VI, VII & VIII semester subjects and finalized VCE R15 course structure and syllabi of M. Tech. I, II, III & IV semester subjects

Since there were no more points to discuss the meeting has been concluded with thanks to the chair.

| | | | |
|-----|--------------------------|-----------------------|---|
| 1. | Dr. B Subbaratnam | Chairman |  |
| 2. | Dr. B Sudheer Prem Kumar | JNTU Nominee |  |
| 3. | Dr. A V S S K Gupta | Subject Expert |  |
| 4. | Dr. Sriram Venkatesh | Subject Expert |  |
| 5. | Mr. P. Sasidharan | Industry Expert |  |
| 6. | Dr. B. Venkatesh | Member |  |
| 7. | Dr. A Tharakeshwar | Member |  |
| 8. | Prof. K Deepak | Member |  |
| 9. | Prof. N Srinivasa Reddy | Member |  |
| 10. | Mr. P Sarkar | Member |  |
| 11. | Mr. A. Suraj Kumar | Alumni & Entrepreneur |  |


Dr. B Subbaratnam
Chairman

HEAD

VARDHAMAN COLLEGE OF ENGINEERING

(Autonomous)

Shamshabad – 501 218, Hyderabad

Minutes of Board of Studies (Mechanical Engineering) meeting held on July 25th 2015

Members Present:

| | | |
|---|---------------------------|-----------------|
| 1 | Prof. K. Deepak | Chairman |
| 2 | Dr. K. Kishen Kumar Reddy | JNTUH Nominee |
| 3 | Dr. A V S S K Gupta | Subject Expert |
| 4 | Dr. Sriram Venkatesh | Subject Expert |
| 5 | Mr. Sasidharan | Industry Expert |
| 6 | Dr. B. Venkatesh | Member |
| 7 | Mr. P Sarkar | Member |
| 8 | Mr. N. Srinivasa Reddy | Member |
| 9 | Mr. A. Suraj Kumar | Alumni |

The Chairman welcomed all the members present for the BOS meeting of Mechanical Engineering. The Chairman also thanked all the members for extending their cooperation to review the VCE-R14 syllabi of B. Tech. V, VI, VII & VIII semester subjects and the VCE-R15 syllabi of B. Tech. I, II, III & IV semester courses. The following points have been discussed.

1. The chairman **Prof. K. Deepak** presided over the meeting, announced the Course Structure of B. Tech., VCE-R15 curriculum and the list of courses of I, II, III & IV semester to be finalized.
2. The courses have been presented in semester pattern and the scheme of instruction, marks, and credits were discussed. Introduction of Technical Seminar, Mini and major Project, professional Electives subjects and open Elective subjects were discussed.
3. It was decided to incorporate Mini Project in VII semester, Technical Seminar and Major Project in VIII Semester.

4. Three audit courses - **Gender Sensitization** in III semester, **Professional Ethics and Human Values** in V semester and **Intellectual Property Rights** in VI semester have been incorporated in the curriculum.
5. One open Elective in each of the VI, VII and VIII semesters were considered appropriate and five Professional Electives were introduced. It was decided to incorporate Professional Elective I and II in VI semester, Professional Elective III and IV in VII semester and Professional Elective-V in VIII semester.
6. As per the suggestions given by the experts the following courses have been added to the list of professional Electives.
 - i. Advanced Strength of materials
 - ii. Manufacturing of Composite Materials
 - iii. Rapid Prototyping
 - iv. Design of Production Tooling
 - v. Renewable Energy Systems
 - vi. Gas Dynamics and Jet Propulsion
 - vii. NDT Techniques
 - viii. Materials for High Temperature Applications
 - ix. Computational Fluid Dynamics
 - x. Micro Electro Mechanical Systems
7. The chairman announced the list of subjects of B. Tech. V, VI, VII & VIII semester subjects of VCE-R14 to be reviewed.
8. **Dr. A V S S K Gupta** stressed to include the topic – **Fuel Requirements and Fuel Rating** under Unit –II of Thermal Engineering course of IV semester.
9. **Dr. Sriram Venkatesh** suggested to add a book titled “**Mechanical Engineering Design**” authored by **Shigley J. E** in the list of reference books of “**Design of Machine Members – II**” course of VI Semester.
10. **Mr. P Sarkar** referred text book for “Composite Materials” course in VIII semester and suggested to add a topic on “**Carbon – Carbon composites**” under unit IV
11. **Dr. K. Kishen Kumar Reddy** suggested to incorporate an unit on “Recent Trends” in the course on Advanced IC Engines of VIII semester.
12. The modifications suggested by the experts in the course structure of VCE-R15 curriculum and in the course contents of VCE-R14 and VCE-R15 curriculum have been incorporated and presented to the committee for approval.

Members finalized VCE – R14 syllabi of V, VI,VII & VIII semester subjects and the VCE – R15 syllabi of I, II, III & IV semester subjects.

Members resolved to finalize the syllabi of V, VI, VIII and VIII semester subjects and elective subjects, in the next meeting of the Board of Studies.

Meeting concluded with thanks to the chair.

| | | | |
|----|--------------------------------------|-----------------|---|
| 1 | Prof. K. Deepak | Chairman |  |
| 2 | Dr. V. Kishen Kumar Reddy | JNTUH Nominee |  |
| 3 | Dr. A V S S K Gupta | Subject Expert |  |
| 4 | Dr. Sriram Venkatesh | Subject Expert |  |
| 4 | Mr. Sasidharan | Industry Expert |  |
| 5 | Dr. B. Venkatesh | Member |  |
| 6 | Mr. P Sarkar | Member |  |
| 7 | Mr. N. Srinivasa Reddy | Member |  |
| 11 | Mr. A. Suraj Kumar | Alumni |  |



Prof. K Deepak
Chairman
Board of Studies in ME

HEAD
Mechanical Engineering Dept
Vardhaman College of Engineering
Khamshabad (Mdl), R.R. Dist - 501 219

VARDHAMAN COLLEGE OF ENGINEERING

(Autonomous)

Shamshabad -501218 Hyderabad

DEPARTMENT OF MECHANICAL ENGINEERING

MINUTES OF BOARD OF STUDIES (UG) IN MECHANICAL ENGINEERING

The members of the board of studies in Mechanical Engineering met on 30TH August, 2014 at 11:30am in the HOD's chamber for the BOS (UG) meeting of Mechanical Engineering 9 out of 11 members were present.

Members Present:

| | | |
|---|----------------------------------|-------------------------|
| 1 | Dr. P. Srinivasa Rao | Chairman |
| 2 | Dr. T. Kishen Kumar Reddy | JNTUH Nominee |
| 3 | Dr. N. Venkata Reddy | Member (Subject Expert) |
| 4 | Dr. B. Bala Krishna | Member (Subject Expert) |
| 5 | Pro. K. Deepak | Member |
| 6 | Dr. B. Venkatesh | Member |
| 7 | Dr. P. Janaki Ramulu | Member |
| 8 | Mr. N. Srinivas Reddy | Member |
| 9 | Mr. T. Naveen Kumar | Member (Alumni) |

Members Absent:

| | | |
|---|----------------------------------|-------------------------|
| 1 | Dr. K. Hema Chandra Reddy | Member (Subject Expert) |
| 2 | Mr. A. Praveen Reddy | Member (Subject Expert) |

The Chairman welcomed all the members present for the BOS meeting of Mechanical Engineering. The Chairman also thanked the members for their acceptance to be as member of BOS (Mechanical Engineering)

1. Approval of Academic Rules & Regulations – B. Tech:

It is RESOLVED to adopt the B. Tech academic Rules and Regulations as approved in the joint Board of Studies for the B. Tech (Mechanical Engineering) program for the batches of students admitted from the academic year 2014 – 15.

After careful perusal and detailed discussion, the course Structure for the academic year 2014- 15 and Syllabi of I, II, III and IV Semesters B. Tech (Mechanical Engineering) is approved with the following modifications:

- i. As per the suggestions given by the experts the contents of the courses Dynamics of Machinery were modified. Mechanical Vibrations is included in the I Semester Engineering Mechanics subject.
- ii. The syllabus in Kinematics of Machinery and Dynamics of machinery were modified. Overlapping is checked.
- iii. As per the suggestions, integrated subjects were incorporated in VII and VIII semesters. Computational Fluid Dynamics is incorporated in VII semester and Mechanical Vibrations and Structural Dynamics in VIII semester.
- iv. The subject Human Values and Ethics in Interdepartmental elective-I and Intellectual Property and Property Rights in interdepartmental elective-II are merged into a single subject as Professional Ethics and Intellectual Property Rights in Interdepartmental Elective II
- v. As per the suggestions the text books mentioned in the syllabus have been verified for new editions above 2010 and incorporated.
- vi. As per the recommendations of the subject expert the following text books have been included in the following subjects.

| S. No. | Subject | Author |
|--------|---------------------------------|------------------|
| 1 | Mechanics of Fluids | Y A Cengel |
| 2 | Mechanics of Solids | S Ramamamrutham |
| 3 | Hydraulic Machinery and Systems | Modi & Seth |
| 4 | Heat Transfer | Incopera & Dewit |

- It is resolved to adopt the revised M. Tech Academic Rules, Regulations, Course Structure and Syllabi of for the M. Tech (ED) program for the batches of students admitted from the academic year 2014 – 2015.

P. Divina
HEAD
MECHANICAL ENGINEERING DEPT
Vardhaman College of Engineering
Chamshabad (Mdl), R.R. Dist - 501 215

VARDHAMAN COLLEGE OF ENGINEERING

(Autonomous)

Shamshabad – 501 218, Hyderabad

DEPARTMENT OF MECHANICAL ENGINEERING

MINUTES OF FIRST BOARD OF STUDIES MEETING IN MECHANICAL ENGINEERING HELD ON 3RD SEPTEMBER, 2011

Members Present:

| | | |
|---|--------------------------|--------------------------|
| 1 | Prof. G. V. Rao | Chairman |
| 2 | Dr. T. K. K. Reddy | JNTUH Nominee |
| 3 | Dr. K. Hemachandra Reddy | Member (Subject Expert) |
| 4 | Dr. A. Sudhakara Reddy | Member (Subject Expert) |
| 5 | Dr. R. K. Gupta | Member (Industry Expert) |
| 6 | Prof B. Subba Ratnam | Member |
| 7 | Mr B. Venkatesh | Member |
| 8 | Mr K. Deepak | Member |
| 9 | Mr A. Sunil Kumar | Alumni |

The Chairman welcomed all the members present for the first BOS meeting of Mechanical Engineering. The Chairman also thanked the members for their acceptance to be as a member of BOS (Mechanical Engineering).

1. **Approval of Academic Rules & Regulations – B.Tech**

It is **RESOLVED** to adopt the B.Tech academic Rules & Regulations as approved in the Joint Board of studies for the B. Tech (ME) program for the batches of students admitted from the academic year 2011 – 2012 (Given in Annexure – I).

2. As per the suggestions given by the experts the contents of the following three courses were modified: Engineering Mechanics, Engineering Drawing and Advanced Engineering Drawing and **RESOLVED** to adopt the modified syllabus.

3. Syllabus of I and II Semester Subjects:

Chairman **Prof. G. V. Rao** appraised the members that syllabi of the following I and II Semester Subjects of Engineering, were finalized in the meeting of Joint Board of Studies.

1. Technical English (common for all Branches)
2. Engineering Physics (common for all Branches)
3. Engineering Chemistry (common for all Branches)
4. Mathematics – I (common for all Branches)
5. Mathematics – II (common for all Branches)
6. Computer Programming (common for all Branches)
7. Environmental Science (common for all Branches)
8. Computational Techniques (ME/ECE)
9. Probability, Statistics and Computational Techniques (CSE/IT/AE/EEE/CE)
10. Data Structures through C (CSE/IT/ECE/EEE)
11. Engineering Mechanics (ME/AE/CE)
12. Basic Electrical Engineering (CSE/IT/ECE/EEE)
13. Basic Electrical and Electronics Engineering (ME/AE/CE)
14. Computer Programming Lab (common for all Branches)
15. Engineering Physics and Engineering Chemistry Lab (common for all Branches)
16. English Language Communication Skills Lab (common for all Branches)
17. Engineering Workshop (ME/AE/CE)
18. PC Software Lab (CSE/IT/ECE/EEE)
19. Data Structures through C Lab (CSE/IT/ECE/EEE)
20. Computer Aided Engineering Drawing Lab (CSE/IT/ECE/EEE)
21. Engineering Drawing (ME/AE/CE)
22. Advanced Engineering Drawing (ME/AE/CE)

4. Panel of Examiners for question paper setting for the courses in I and II semester B. Tech(ME)

- The panel of examiners for question paper setting for I & II Semesters proposed by the Chairman, BOS - Mechanical Engineering for Engineering Mechanics, Engineering Drawing and Advanced Engineering Drawing for ME, AE & CE are **approved** in the meeting of Board of Studies - Mechanical Engineering (Given in annexure – II).

- It is **RESOLVED** to authorize the panel of examiners for question paper setting for the subject Basic Electrical & Electronics Engineering in B. Tech II Semester by the Chairman, BOS - Electrical and Electronics Engineering.
 - It is **RESOLVED** to authorize the panel of examiners for question paper setting for the subject Computer Programming in B. Tech II Semester by the Chairman, BOS - Computer Science and Engineering
 - It is **RESOLVED** to authorize the panel of examiners for question paper setting for the subjects Technical English, Engineering Physics, Engineering Chemistry, Mathematics – I, Mathematics – II, Environmental Science, Computational Techniques for Mechanical Engineering in B. Tech I and II semester by the Chairman, BOS - Freshman Engineering.
5. After the perusal of Model Question Papers submitted by the chairman, BOS – ME for the courses, Engineering Mechanics, Engineering Drawing and Advanced Engineering Drawing it is **RESOLVED** to adopt the same.
6. **Subjects of III, IV, V, VI, VII and VIII B.Tech:**
 Course structure of B. Tech (Mechanical Engineering) was presented by the Chairman BOS, ME. Proposed subjects of III, IV, V, VI, VII and VIII B.Tech in semester pattern, scheme of instruction, marks, credits and elective subjects were discussed. Introduction of Technical Seminar and Mini Project in VIII Semester, Interdepartmental Elective – I and II in VI and VII semesters respectively, Professional Electives – I in VII semester and Professional Electives – II and III in VIII semester were considered appropriate.

The members unanimously approved the "Course Structure" of B. Tech (Mechanical Engineering) enclosed in the annexure - III.

7. **Any Other Item:**

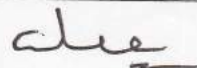
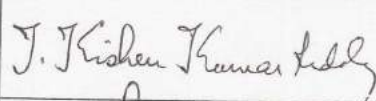
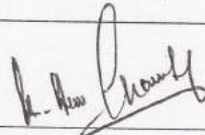

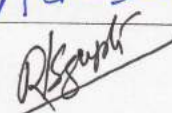
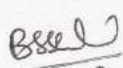


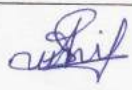
a) **III, IV, V, VI, VII and VIII Semester B. Tech (Mechanical Engineering) Syllabi:**

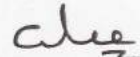
The members requested the Chairman BOS (ME) to prepare detailed syllabi for III, IV, V, VI, VII and VIII semesters of B.Tech, subjects including elective subjects with the help of Internal Members.

- b) Send the "Draft Syllabi" to all the External Members, obtain and incorporate the suggestions received.

Members resolved to finalize the syllabi of III, IV, V, VI, VIII and VIII semester subjects and elective subjects, in the next meeting of the Board of Studies.

Meeting concluded with thanks to the chair.

| | | | |
|---|--------------------------|--------------------------|---|
| 1 | Prof. G. V. Rao | Chairman |  |
| 2 | Dr. T. K. K. Reddy | JNTUH Nominee |  |
| 3 | Dr. K. Hemachandra Reddy | Member (Subject Expert) |  |
| 4 | Dr. A. Sudhakar Reddy | Member (Subject Expert) |  |
| 5 | Dr. R. K. Gupta | Member (Industry Expert) |  |
| 6 | Prof. B. Subba Ratnam | Member |  |
| 7 | Mr B. Venkatesh | Member |  |
| 8 | Mr K. Deepak | Member |  |
| 9 | Mr A. Sunil Kumar | Alumni |  |


 Prof. G. V. Rao
 Chairman
 BOS - ME



VARDHAMAN COLLEGE OF ENGINEERING

(AUTONOMOUS)

Shamshabad – 501 218, Hyderabad

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

MINUTES OF

SEVENTH BOARD OF STUDIES MEETING HELD ON 02nd JUNE, 2018

Minutes of the FOURTH Combined Board of studies (BOS) Meeting (UG & PG) held on 2nd JUNE, 2018 (Saturday) at 10:30 AM in the ECE E-Class room, dept of Electronics and Communication Engineering, Vardhaman College of Engineering, Hyderabad.

Members Present:

| S. No. | Name of the BOS Member | Designation |
|--------|---|----------------------------|
| 1 | Dr. J. V. R. Ravindra Professor & Head Department of ECE, Vardhaman College of Engineering | Chairman |
| 2 | Dr. B. N. Bhandari Professor, Department of ECE, JNTU College of Engineering, Hyderabad | JNTUH Nominee |
| 3 | Dr. R. V. S. Satyanarayana Professor and Head, Department of ECE, S.V.U. College of Engineering, Tirupathi | Member (Subject Expert) |
| 4 | Dr. M. Asha Rani Professor and Head, Department of ECE, JNTU College of Engineering, Hyderabad | Member (Subject Expert) |
| 5 | Dr. D. Rama Krishna Associate Professor, Department of ECE, OU College of Engineering Osmania University, Hyderabad | Member (Subject Expert) |
| 6 | Dr. R. Murali Prasad Professor, Department of ECE, Vardhaman College of Engineering | Member |
| 7 | Dr. P. Nageswara Rao Professor, Department of ECE, Vardhaman College of Engineering | Member |
| 8 | Prof. Y. Pandu Rangaiah Professor, Department of ECE, Vardhaman College of Engineering | Member |
| 9 | Mr. Madhavaram Kartheek Senior Executive, Qualcomm Technologies, Inc., Hyderabad | Member (Alumni) |

Members Absent:

| S. No. | Name of the BOS Member | Designation |
|--------|--|-----------------------------|
| 1 | Mr. N. Venkatesh Senior Vice President, Red Pine Signals Pvt. Ltd., Hyderabad | Member (Industry Expert) |

Dr. J. V. R. Ravindra, Chairman (BOS) and Head ECE chaired the meeting and welcomed all the members to the 7th BOS meeting. After a brief introduction about AICTE model curriculum and guidelines, the agenda items listed below were taken up for discussion and the following resolutions were passed.

ITEM NO: 07-BOS-01

Proposed syllabus for R18 regulations

The chairman BOS had briefed the members about the complete course structure of R18 regulations and asked the members to deliberate.

ITEM NO: 07-BOS-02

Structuring syllabus for mathematics courses

The members felt that contents of the Mathematics courses proposed should cover all the necessary mathematical background necessary for ECE stream. They felt that there should be 03 separate courses in Mathematics stream.

ITEM NO: 07-BOS-03

Inclusion of Transient Analysis in EDC

After lengthy discussion BOS resolved to include Transient Analysis topic in the EDC course.

ITEM NO: 07-BOS-04

Ratification of UG syllabus

After detailed discussion the BOS resolved that the complete UG course structure as outlined in the meeting should be adopted. Also the detailed syllabus as suggested by BOS, for II year(III & IV semesters) should be implemented.

ITEM NO: 07-BOS-05

Ratification of PG (M.Tech - DECS) syllabus

The Chairman BOS had briefed the members about the complete course structure of PG (M.Tech-DECS) and the BOS members resolved to approve the discussed course structure and the detailed syllabus in toto.

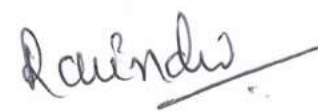
ITEM NO: 07-BOS-06

Ratification of PG (M.Tech - ES) syllabus

The Chairman BOS had briefed the members about the complete course structure of PG (M.Tech-ES) and the BOS members resolved to approve the discussed course structure and the detailed syllabus in toto.

Meeting ended with vote of thanks to the Chair.

| S. No. | Name of the BOS Member | Designation | Signature |
|--------|---|-----------------------------|---|
| 1 | Dr. J. V. R. Ravindra Professor & Head Department of ECE, Vardhaman College of Engineering | Chairman |  |
| 2 | Dr. B .N. Bhandari Professor, Department of ECE, JNTU College of Engineering, Hyderabad | JNTUH Nominee |  |
| 3 | Dr. R. V. S. Satyanarayana Professor and Head, Department of ECE, S.V.U. College of Engineering, Tirupathi | Member (Subject Expert) |  |
| 4 | Dr. M. Asha Rani Professor and Head, Department of ECE, JNTU College of Engineering, Hyderabad | Member (Subject Expert) |  |
| 5 | Dr. D. Rama Krishna Associate Professor, Department of ECE, OU College of Engineering Osmania University, Hyderabad | Member (Subject Expert) |  |
| 6 | Mr. N. Venkatesh Senior Vice President, Red Pine Signals Pvt. Ltd., Hyderabad | Member (Industry Expert) |  |
| 7 | Dr. R. Murali Prasad Professor, Department of ECE, Vardhaman College of Engineering | Member |  |
| 8 | Dr. P. Nageswara Rao Professor, Department of ECE, Vardhaman College of Engineering | Member |  |
| 9 | Prof. Y. Pandu Rangaiah Professor, Department of ECE, Vardhaman College of Engineering | Member |  |
| 10 | Mr. Madhavaram Kartheek Senior Executive, Qualcomm Technologies, Inc., Hyderabad | Member (Alumni) |  |


(Dr. J. V. R. Ravindra)
 Chairman - BOS,
 Dept. of ECE



VARDHAMAN COLLEGE OF ENGINEERING

(AUTONOMOUS)

Shamshabad – 501 218, Hyderabad

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

MINUTES OF SIXTH BOARD OF STUDIES MEETING HELD ON 29th November, 2016

The members of the board of studies in Electronics and Communication Engineering met on 29th November, 2016 at 10:30 AM in the E-Class Room of ECE Department for discussion on finalization of academic curriculum for the forth coming academic years from 2016-2017 onwards (R15 regulations) based on the directives given by UGC to meet the requirements of Choice Based Credit System. The board also discussed on the finalization of syllabi of V, VI, VII and VIII semesters of R15 regulations.

Members Present:

| | | |
|----|---|--------------------------|
| 1 | Prof. Y. Pandu Rangaiah Professor and Head, Department of ECE, Vardhaman College of Engineering | Chairman |
| 2 | Dr. B.N Bhandari Professor, Department of ECE, JNTU College of Engineering, Hyderabad | JNTUH Nominee |
| 3 | Dr. R. V. S. Satyanarayana Professor and Head, Department of ECE, S.V.U. College of Engineering, Tirupathi | Member (Subject Expert) |
| 4 | Dr. M. Asha Rani Professor and Head, Department of ECE, JNTU College of Engineering, Hyderabad | Member (Subject Expert) |
| 5 | Mr. N. Venkatesh Senior Vice President, Red Pine Signals Pvt. Ltd., Hyderabad | Member (Industry Expert) |
| 6 | Dr. R. Murali Prasad Professor, Department of ECE, Vardhaman College of Engineering | Member |
| 7 | Dr. J. V. R. Ravindra Professor & Dean (Academics), Department of ECE, Vardhaman College of Engineering | Member |
| 8 | Dr. P. Nageswara Rao Professor, Department of ECE, Vardhaman College of Engineering | Member |
| 9 | Prof. N. Uma Maheshwar Rao Professor, Department of ECE, Vardhaman College of Engineering | Member |
| 10 | Mr. Madhavaram Kartheek Senior Executive, Qualcomm Technologies, Inc., Hyderabad | Member (Alumni) |

The Chairman welcomed all the members present for the sixth BOS meeting of Electronics and Communication Engineering. The Chairman also thanked the members for their acceptance to be the part of BOS (Electronics and Communication Engineering).

The following points are deliberated and approved by BOS.

ITEM NO: 06-BOS-01

Proposed syllabus for R15 regulations

The chairman BOS had briefed the members about the agenda of the BOS meeting.

ITEM NO: 06-BOS-02

Discussion on back-up classes for lateral entry students

The discussion happened for conduction of separate class work for lateral entry students of 2nd year.

ITEM NO: 06-BOS-03

Discussion on separate mid exams for lateral entry students

After lengthy discussion, BOS concluded that, there will be separate mid examination for lateral entry students.

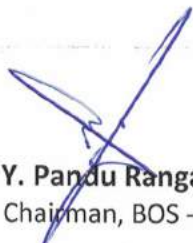
ITEM NO: 06-BOS-04

Ratification of UG syllabus

After detailed discussion the BOS resolved that the complete UG course structure as outlined in the meeting should be adopted. Also the detailed syllabus as suggested by BOS, for V,VI VII ,VIII semesters should be implemented.

Meeting ended with vote of thanks to the Chair.

| | | | |
|----|----------------------------|--------------------------|---|
| 1 | Prof. Y. Pandu Rangaiah | Chairman |  |
| 2 | Dr. B N Bhandari | JNTUH Nominee |  |
| 3 | Dr. R. V. S. Satyanarayana | Member (Subject Expert) |  |
| 4 | Dr. M. Asha Rani | Member (Subject Expert) |  |
| 5 | Mr. N. Venkatesh | Member (Industry Expert) |  |
| 6 | Dr. R. Murali Prasad | Member |  |
| 7 | Dr. J. V. R. Ravindra | Member |  |
| 8 | Dr. P. Nageswara Rao | Member |  |
| 9 | Prof. N. Uma Maheshwar Rao | Member |  |
| 10 | Mr. Madhavaram Kartheek | Member (Alumni) |  |


Prof Y. Pandu Rangaiah
Chairman, BOS - ECE



VARDHAMAN COLLEGE OF ENGINEERING

(AUTONOMOUS)

Shamshabad – 501 218, Hyderabad

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

MINUTES OF FIFTH BOARD OF STUDIES MEETING HELD ON 25th JULY, 2015

The members of the board of studies in Electronics and Communication Engineering met on 25th July, 2015 at 10:30 AM in the E-Class Room of ECE Department for discussion on finalization of academic curriculum for the forth coming academic years from 2015-2016 onwards (R15 regulations) based on the directives given by UGC to meet the requirements of Choice Based Credit System. The board also discussed on the finalization of syllabi of V, VI, VII and VIII semesters of R14 regulations.

Members Present:

| | | |
|----|---|--------------------------|
| 1 | Prof. Y. Pandu Rangaiah Professor and Head, Department of ECE, Vardhaman College of Engineering | Chairman |
| 2 | Dr. B N Bhandari Professor, Department of ECE, JNTU College of Engineering, Hyderabad | JNTUH Nominee |
| 3 | Dr. R. V. S. Satyanarayana Professor and Head, Department of ECE, S.V.U. College of Engineering, Tirupathi | Member (Subject Expert) |
| 4 | Dr. M. Asha Rani Professor and Head, Department of ECE, JNTU College of Engineering, Hyderabad | Member (Subject Expert) |
| 5 | Mr. N. Venkatesh Senior Vice President, Red Pine Signals Pvt. Ltd., Hyderabad | Member (Industry Expert) |
| 6 | Dr. R. Murali Prasad Professor, Department of ECE, Vardhaman College of Engineering | Member |
| 7 | Dr. J. V. R. Ravindra Professor & Dean (Academics), Department of ECE, Vardhaman College of Engineering | Member |
| 8 | Prof. N. Uma Maheshwar Rao Professor, Department of ECE, Vardhaman College of Engineering | Member |
| 9 | Mr. S. Rajendar Associate Professor, Department of ECE, Vardhaman College of Engineering | Member |
| 10 | Mr. Madhavaram Kartheek Senior Executive, Qualcomm Technologies, Inc., Hyderabad | Member (Alumni) |

The Chairman welcomed all the members present for the fifth BOS meeting of Electronics and Communication Engineering. The Chairman also thanked the members for their acceptance to be the part of BOS (Electronics and Communication Engineering).

The following points are deliberated and approved by BOS.

1. Approval of Academic Rules & Regulations – B.Tech & M.Tech

It is resolved to adopt the B.Tech & M.Tech academic Rules & Regulations prepared based on the guidelines of UGC for meeting the requirements of Choice Based Credit System and approved in the Academic Council Meeting for the batches of students admitted from the academic year 2015 – 2016 (Given in Annexure – I).

2. Finalization of Course Structure for R15 regulations and Syllabi of I, II, III and IV Semesters of B.Tech (ECE).

After careful perusal and detailed discussions, the course structure for the academic year 2015-16 and Syllabi of I, II, III and IV Semesters B.Tech (ECE) is approved with the following modifications:

- i. All the members felt that the Electronic Devices and Circuits and its associated laboratory course are to be included in the II Semester common for ECE, EEE, CSE and IT.
- ii. The BOS also suggested to retain the Basic Electronics course for Mechanical Engineering department in II semester without any modifications.
- iii. The course Basic Electrical and Electronics Engineering is offered for Civil Engineering department in II semester.
- iv. The board felt that the concepts of probability theory in the existing Probability and Stochastic Processes (PTSP) course may be merged with Numerical Methods. The Probability Theory and Numerical Methods (PTNM) course is to be offered in II semester by Freshman Engineering department and the existing PTSP course may be renamed as Random Signals and Stochastic Processes (RSSP) and to be offered in III semester.
- v. Keeping in view of technological advancements it is felt by the BOS members that the key courses like Electronic Circuit Analysis (ECA), Analog Communications (AC), Microprocessors and Interfacing (MPI), VLSI Design (VLSID) and Embedded Systems (ES) are to be advanced in the academic curriculum to enable the students to match to the present industrial needs and the main objective being that students shall be capable of carrying out mini/major projects successfully in these enlightened areas.
- vi. Subsequent to the above discussions in item no. v, ECA is moved from IV Semester to III Semester, AC is moved from V Semester to IV Semester, MPI is moved from VI Semester to V Semester and VLSID and ES are moved from VII Semester to VI Semester.
- vii. To balance the academic curriculum due to the changes made as per the item no. vi, the courses like Principles of Electrical Engineering, Control Systems, Electronic Measurements and Instrumentation and Microwave Engineering were moved to higher semesters.
- viii. The members proposed to introduce a new laboratory course in the final semester which will cover the advanced practical aspects of communication concepts and virtual instrumentation leading insight into emerging fields making exposure to the advanced computer aided design tools.

3. Finalization of Course Structure and Syllabi from the academic year 2014-15 of M.Tech (DECS & ES).

The BOS members felt that the existing regulations, course structure and syllabi for M.Tech (DECS & ES) shall be continued for the forth coming academic year(s). Revision will be undertaken in the next BOS sitting for further modifications in forth coming regulations.

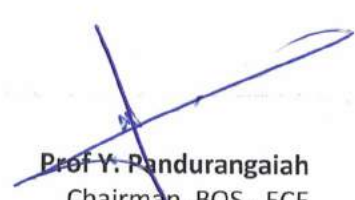
4. Panel of Examiners for question paper setting for the courses in I, II, III and IV semester B. Tech (ECE):

The panel of examiners for question paper setting for the courses in I, II, III & IV Semesters proposed by the Chairman, BOS in Electronics and Communication Engineering are approved in the meeting of BOS.

Members resolved to finalize the syllabi of V, VI, VIII and VIII semester courses and electives, in the next meeting of the Board of Studies.

Meeting concluded by Chairman thanking the members.

| | | | |
|---|----------------------------|---|---|
| 1 | Prof. Y. Pandu Rangaiah | Chairman |  |
| 2 | Dr. R. V. S. Satyanarayana | Member (Subject Expert) |  |
| 3 | Dr. M. Asha Rani | Member (Subject Expert) JNTU Hyderabad |  |
| 4 | Mr. N. Venkatesh | Member (Industry Expert) |  |
| 5 | Dr. R. Murali Prasad | Member |  |
| 6 | Dr. J. V. R. Ravindra | Member |  |
| 7 | Prof. N. Uma Maheshwar Rao | Member |  |
| 8 | Mr. S. Rajendar | Member |  |
| 9 | Mr. Madhavaram Karthik | Member (Alumni) |  |


Prof. Y. Pandurangaiah
Chairman, BOS - ECE



VARDHAMAN COLLEGE OF ENGINEERING

(AUTONOMOUS)

Shamshabad – 501 218, Hyderabad

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

MINUTES OF FOURTH BOARD OF STUDIES MEETING HELD ON 30th AUGUST, 2014

The members of the board of studies in Electronics and Communication Engineering met on 30th August, 2014 at 11.30 AM in the E-Class Room of ECE Department for discussion on finalization of academic curriculum for the forth coming academic years from 2014-2015 onwards.

Members Present:

| | | |
|---|---|--------------------------|
| 1 | Prof. Y. Pandu Rangaiah, Professor and Head, Department of ECE, Vardhaman College of Engineering | Chairman |
| 2 | Dr. R. V. S. Satyanarayana Professor and Head, Department of ECE, S.V.U. College of Engineering, Tirupathi | Member (Subject Expert) |
| 3 | Dr. M. Asha Rani Professor, Department of ECE, JNTU College of Engineering, Hyderabad | Member (Subject Expert) |
| 4 | Mr. N. Venkatesh Senior Vice President, Red Pine Signals Pvt. Ltd., Hyderabad | Member (Industry Expert) |
| 5 | Dr. R. Murali Prasad Professor, Department of ECE, Vardhaman College of Engineering | Member |
| 6 | Dr. J. V. R. Ravindra Professor & Dean (Academics), Department of ECE, Vardhaman College of Engineering | Member |
| 7 | Prof. N. Uma Maheshwar Rao Professor, Department of ECE, Vardhaman College of Engineering | Member |
| 8 | Mr. S. Rajendar Associate Professor, Department of ECE, Vardhaman College of Engineering | Member |
| 9 | Mr. Madhavaram Kartheek Senior Executive, Qualcomm Technologies, Inc., Hyderabad | Member (Alumni) |

Members absent:

| | | |
|---|---|---------------|
| 1 | Dr. L. Pratap Reddy Professor, Department of ECE, JNTU College of Engineering, Hyderabad | JNTUH Nominee |
|---|---|---------------|

The Chairman welcomed all the members present for the fourth BOS meeting of Electronics and Communication Engineering. The Chairman also thanked the members for their acceptance to be as a members of BOS (Electronics and Communication Engineering).

The following points are deliberated and approved by BOS.

1. Approval of Academic Rules & Regulations – B.Tech & M.Tech

It is resolved to adopt the B.Tech & M.Tech academic Rules & Regulations as approved in the Joint Board of Studies for the B. Tech (ECE) & M.Tech (DECS & ES) programs for the batches of students admitted from the academic year 2014 – 2015 (Given in Annexure – I).

2. Finalization of Course Structure for the academic year 2014-15 and Syllabi of I, II, III and IV Semesters of B.Tech (ECE).

After careful perusal and detailed discussions, the course structure for the academic year 2014-15 and Syllabi of I, II, III and IV Semesters B.Tech (ECE) is approved with the following modifications:

- i. All the members felt that the Electronic Devices and Electronic Devices Laboratory courses should be included in the II Semester with a suitable background of Basic Electrical Engineering and Engineering Physics being covered in the I Semester.
- ii. The BOS also suggested to move Electronic Devices and Circuits and its associated laboratory course for CSE and IT from III Semester to II Semester.
- iii. The course Basic Electrical and Electronics Engineering is modified as Basic Electronics and is introduced in II Semester for Mechanical and Civil Engineering departments.
- iv. It is felt that the Environmental Science course is mandatory for both regular and lateral entry students and hence BOS has suggested to move it from II semester to III Semester.
- v. Keeping in view of technological advancements it is felt by the BOS members that the key courses like Electronic Circuit Analysis (ECA), Analog Communications (AC), Microprocessors and Interfacing (MPI), VLSI Design (VLSID) and Embedded Systems (ES) are to be advanced in the academic curriculum to enable the students to match to the present industrial needs and the main objective being that students shall be capable of carrying out mini/major projects successfully in these enlightened areas.
- vi. Subsequent to the above discussions in item no. v, ECA is moved from IV Semester to III Semester, AC is moved from V Semester to IV Semester, MPI is moved from VI Semester to V Semester and VLSID and ES are moved from VII Semester to VI Semester.
- vii. To balance the academic curriculum due to the changes made as per the item no. vi, the courses like Principles of Electrical Engineering, Control Systems, Electronic Measurements and Instrumentation and Microwave Engineering were moved to higher semesters.
- viii. The members proposed to introduce a new laboratory course in the final semester which will cover the advanced practical aspects of communication concepts and virtual instrumentation leading insight into emerging fields making exposure to the advanced computer aided design tools.

3. Finalization of Course Structure and Syllabi from the academic year 2014-15 of M.Tech (DECS & ES).

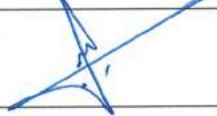
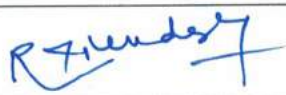
The BOS members felt that the existing regulations, course structure and syllabi for M.Tech (DECS & ES) shall be continued for the forth coming academic year(s). Revision will be undertaken in the next BOS sitting for further modifications in forth coming regulations.

4. Panel of Examiners for question paper setting for the courses in I, II, III and IV semester B. Tech (ECE):

The panel of examiners for question paper setting for the courses in I, II, III & IV Semesters proposed by the Chairman, BOS in Electronics and Communication Engineering are approved in the meeting of BOS.

Members resolved to finalize the syllabi of V, VI, VIII and VIII semester courses and electives, in the next meeting of the Board of Studies.

Meeting concluded by Chairman thanking the members.

| | | | |
|---|----------------------------|---|---|
| 1 | Prof. Y. Pandu Rangaiah | Chairman |  |
| 2 | Dr. R. V. S. Satyanarayana | Member (Subject Expert) |  |
| 3 | Dr. M. Asha Rani | Member (Subject Expert) JNTU Hyderabad |  |
| 4 | Mr. N. Venkatesh | Member (Industry Expert) |  |
| 5 | Dr. R. Murali Prasad | Member |  |
| 6 | Dr. J. V. R. Ravindra | Member |  |
| 7 | Prof. N. Uma Maheshwar Rao | Member |  |
| 8 | Mr. S. Rajendar | Member |  |
| 9 | Mr. Madhavaram Karthik | Member (Alumni) |  |


Prof Y. Pandu Rangaiah
Chairman, BOS - ECE



VARDHAMAN COLLEGE OF ENGINEERING (AUTONOMOUS)

Shamshabad- 501 218, Hyderabad

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

7th Meeting of BOS in CSE Held on 02-06-2018

Date: 02-06-2018

MINUTES

Members Present:

| | | |
|----|---------------------------------|---------------------------------|
| 1 | Dr. H. VENKATESWARA REDDY | CHAIRMAN (BOS) |
| 2 | Dr. MIRYALA CHANDRA MOHAN | SUBJECT EXPERT JNTUH NOMINEE |
| 3 | Dr. C. KRISHNA MOHAN | SUBJECT EXPERT |
| 4 | Dr. P. NIRANJAN | SUBJECT EXPERT |
| 5 | Mr. VENKATA SATYADEEP MANE | ALUMNI and INDUSTRY |
| 6 | Dr. S. SAI SATYA NARAYANA REDDY | MEMBER |
| 7 | Dr. M A JABBAR | MEMBER |
| 8 | Prof. A. BHANU PRASAD | MEMBER |
| 9 | Prof. A. RAJINIKANTH | MEMBER |
| 10 | Prof. VIVEK KULKARNI | MEMBER |

The Chairman welcomed all the members present for the first BOS meeting of CSE. The Chairman also thanked the members for their acceptance to be as a member of BOS (CSE).

1. Approval of Academic Rules & Regulations VCE-R18 – B. Tech.

It is resolved to adopt the B. Tech Academic Rules & Regulations VCE-R18 under on Choice Based Credit System (CBCS) as approved in the combined Boards of studies for the B. Tech. (CSE) program for the batches of students admitted from the academic year 2018 – 2019 (given in annexure – I)

2. Syllabus of I and II Semester Subjects under Regulations VCE-R18 – B. Tech (CSE):

Chairman **Dr. H. Venkateswara Reddy** Appraised the members that syllabi of the following I and II Semester Courses which are common for all branches of Engineering, were finalized in the meeting of Combined Board of Studies.


Head of the Department
Computer Science and Engineering
VARDHAMAN COLLEGE OF ENGINEERING

3. The following amendments were approved by the BOS in connection with VCE R-15 Regulation.

1. Entrepreneurship course offered as open elective is to be substituted with "Basic Program in Entrepreneurship" offered in Association with Nation Entrepreneurship Network (NEN). Vadhvani Foundation
2. Cloud Computing Syllabus is updated as per the latest industry trend.
3. As per recommendations of Mr Prabhajodh singh Python for Data Science is offered as open elective



Head of the Department
Computer Science and Engineering
VARDHAMAN COLLEGE OF ENGINEERING
Shamshabad, Hyderabad-501 218.



VARDHAMAN COLLEGE OF ENGINEERING

(AUTONOMOUS)

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Accredited by NAAC with 'A' Grade and ISO 9001:2008 Certified

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Minutes of Meeting of BOS for Dept. of CSE on 23th Nov, 2016

Date: 23rd Nov, 2016

Board of Studies meeting in the Department of CSE, is convened as per the details furnished below:

| | | |
|-------------|---|---|
| Venue | : | CSE Department, Level-1, Block-1, Vardhaman College of Engineering |
| Date & Time | : | 23 rd Nov, 2016, 10:00 AM. |
| Agenda | : | i) Detailed syllabus for V,VI,VII,VIII Semester of B. Tech (VCE-R15) ii) Amendments to earlier regulations if any. |

All the members of board studies for CSE are requested to attend the meeting and give their valuable suggestions.


Dr. H. VENKATESWARA REDDY
Chairman

Head of the Department
Computer Science and Engineering
VARDHAMAN COLLEGE OF ENGINEERING

Head of the Department
Computer Science and Engineering
VARDHAMAN COLLEGE OF ENGINEERING
Shamshabad, Hyderabad-501 218.

Copy to:

Dr. Miryala Chandra Mohan, Professor, Department of CSE, JNTUH, Hyderabad
Dr. C. Krishna Mohan, Professor of CSE, IIT Hyderabad.
Dr. Viswanandha Raju, Professor of CSE, JNTUH
Mr. C. Chandra Sekhar Reddy, Program Manager, Envision Integrated Services Pvt. Ltd
Dr. P. Niranjana, Professor & Head, Dept of CSE, KITS, WARANGAL
Dr. S. Sai Satyanarayana Reddy, Professor & Head of CSE, VCE
Dr. H. Venkateswara Reddy, Professor of CSE, VCE
Dr. M. A. Jabbar, Professor of CSE, VCE
Prof. Vivek Kulkarni, Professor of CSE, VCE
Mr. Venkata Satyadeep Mane, Alumni

Members present

| S No | Name | Position |
|------|--------------------------------|------------------------------|
| 1. | Dr. H. VENKATESWARA REDDY | CHAIRMAN (BOS) |
| 2. | Dr. MIRYALA CHANDRA MOHAN | SUBJECT EXPERT JNTUH NOMINEE |
| 3. | Dr. C. KRISHNA MOHAN | SUBJECT EXPERT |
| 4. | Dr. VISWANANDHA RAJU | SUBJECT EXPERT |
| 5. | Mr. C. CHANDRA SEKHAR REDDY | INDUSTRY EXPERT |
| 6. | Dr. P. NIRANJAN | MEMBER |
| 7. | Mr. VENKATA SATYADEEP MANE | ALUMNI |
| 8. | Dr. S. SAI SATYANARAYANA REDDY | MEMBER |
| 9. | Dr. M. A. JABBAR | MEMBER |
| 10. | Mr. VIVEK KULKARNI | MEMBER |


The chairman welcomed all the members present for the BOS meeting of CSE. The Chairman also thanked the members for their acceptance to be as a member of BOS (CSE).

1. Detailed Syllabus for V, VI, VII, VIII Semester subjects under Regulations VCE-R15-B.Tech(CSE) is approved:

Chairman Dr. H. Venkateswara Reddy apprised the members that syllabi of the following V, VI, VII, VIII Semester Courses which are courses were finalized in the meeting

- The following points are discussed in connection with the syllabus.
- Experts approved including practical for Data Warehousing and Data Mining course.
- Experts suggested including Cloud Computing course in Final Year.

The meeting was concluded at 2:00 PM 23rd Nov, 2016.


Dr. H. VENKATESWARA REDDY
 Chairman, BOS-CSE

Head of the Department
 Computer Science and Engineering

SHARDHAMAN COLLEGE OF ENGINEERING
 Shamshabad-501 218, Hyderabad, Telangana, India
 Ph: 08413-253335, 253201, Fax: 08413-253482,
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 Himayathnagar, Hyderabad-500 029, Telangana, India. Ph: 040-64582470



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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Minutes of Meeting of BOS for Dept. of CSE on 17th July, 2015

Date: 17th July, 2015

Board of Studies meeting in the Department of CSE, is convened as per the details furnished below:

| | | |
|-------------|---|---|
| Venue | : | CSE Department, Level-2, Block-1, |
| Date & Time | : | 17 th July, 2015, 10:30 AM. |
| Agenda | : | <ul style="list-style-type: none">i) Regulations for 2015-16 Admitted B. Tech and M. Tech Students based on Choice base credit System (VCE-R15)ii) Course Structure of I,II,III,IV,V,VI,VII and VIII Semesters of B. Tech (VCE-R15).iii) Detailed syllabus for I,II,III and IV Semesters of B. Tech (VCE-R15).iv) Detailed syllabus for V,VI,VII and VIII Semesters of B. Tech (VCE-R14).v) Course Structure and detailed syllabus of M. Tech Computer Science and Engineering (VCE-R15). |

All the members of board studies for CSE are requested to attend the meeting and give their valuable suggestions.


Dr. H. VENKATESWARA REDDY
Chairman

Head of the Department
Computer Science and Engineering
VARDHAMAN COLLEGE OF ENGINEERING

Copy to:

Dr. A. Damodaram, Professor of CSE, Director of AAC, JNTUH, Hyderabad.

Dr. C. Krishna Mohan, Professor of CSE, IIT Hyderabad.

Dr. Viswanandha Raju, Professor of CSE, JNTUH

Dr. N. Ramesh, Head & Associate Professor of CSE, NIT Warangal.

Mr. Trilok Rawat, Assistant. Consultant, Tata Consultancy Services Ltd., Hyderabad.

Mr. Venkata Satyadeep Mane, Alumni

Dr. S. Sai Satyanarayana Reddy, Professor & Head of CSE, VCE

Dr. H. Venkateswara Reddy, Professor of CSE, VCE

Dr. V. Anandam, Professor of CSE, Member, VCE.

Dr. G. Sagar, Associate Professor, Member, VCE

Head of the Department
Computer Science and Engineering
VARDHAMAN COLLEGE OF ENGINEERING
Shamshabad, Hyderabad-501 218.



VARDHAMAN COLLEGE OF ENGINEERING

(AUTONOMOUS)

Affiliated to JNTUH, Approved by AICTE,

Accredited by NAAC with 'A' Grade and ISO 9001:2008 Certified

Members present

| S No | Name | Position |
|------|--------------------------------|----------------|
| 1. | Dr. H. VENKATESWARA REDDY | CHAIRMAN (BOS) |
| 2. | Dr. A. DAMODARAM | SUBJECT EXPERT |
| 3. | Dr. C. KRISHNA MOHAN | SUBJECT EXPERT |
| 4. | Dr. VISWANANDHA RAJU | SUBJECT EXPERT |
| 5. | Dr. N. RAMESH | MEMBER |
| 6. | Mr. TRILOK RAWAT | MEMBER |
| 7. | Mr. VENKATA SATYADEEP MANE | ALUMNI |
| 8. | Dr. S. SAI SATYANARAYANA REDDY | MEMBER |
| 9. | Dr. V ANANDAM | MEMBER |
| 10. | Dr. G. SAGAR | MEMBER |

The chairman welcomed all the members present for the BOS meeting of CSE. The Chairman also thanked the members for their acceptance to be as a member of BOS (CSE).

1. Approval of academic rules and regulations for VCE R15-B.Tech and R15 M. Tech

It is resolved to adopt the B. Tech and M. Tech Academic Rules & Regulations VCE-R15 under on choice based Credit system(CBCS) as approved Boards of studies for B. Tech-(CSE) program for the batches of students admitted from the academic year 2015-16 (given in annexure-1).

2. Course structure of VCE-R15 approved:

Chairman Dr. H. Venkateswara Reddy apprised the members the course structure of B. Tech and M. Tech VCE-R15 are finalized in the meeting.

3. Detailed Syllabus for I,II,III,IV Semester subjects under Regulations VCE-R15-B.Tech(CSE) is approved:

Chairman Dr. H. Venkateswara Reddy apprised the members that syllabi of the following I, II, III, IV Semester Courses are finalized in the meeting.

4. Detailed Syllabus for V, VI, VII, VIII Semester subjects under Regulations VCE-R14-B.Tech (CSE) is approved:

Chairman Dr. H. Venkateswara Reddy apprised the members that syllabi of the following V,VI, VII, VIII Semester Courses of R14 are finalized in the meeting.



VARDHAMAN COLLEGE OF ENGINEERING

(AUTONOMOUS)

Affiliated to JNTUH, Approved by AICTE,
Accredited by NAAC with 'A' Grade and ISO 9001:2008 Certified

5. Detailed Syllabus for M. Tech VCE-R15 is approved:

Chairman Dr. H. Venkateswara Reddy apprised the members that syllabi of the following I, II Semester Courses of R15 are finalized in the meeting.

The meeting was concluded at 3:00 PM 17th July, 2015.

Dr. H. VENKATESWARA REDDY

Chairman, BOS-CSE

Head of the Department
Computer Science and Engineering
VARDHAMAN COLLEGE OF ENGINEERING
Shamshabad, Hyderabad-501 218.



VARDHAMAN COLLEGE OF ENGINEERING

(AUTONOMOUS)

Shamshabad, Hyderabad - 501 218

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

4th Meeting of BOS in CSE held on 30th August, 2014

Date: 30-08-2014

Minutes

Members Present:

| | | |
|----|----------------------------|-----------------|
| 1 | Prof.H. Venkateswara Reddy | Chairman, BOS |
| 2 | Dr. A. Vinaya Babu | JNTU H Nominee |
| 3 | Dr. D. Krishna Mohan | Subject Expert |
| 4 | Dr. A. Damodaram | Subject Expert |
| 5 | Dr. S. Viswanadha Raju | Subject Expert |
| 6 | Mr. SubbaRao Ghanta | Subject Expert |
| 7 | Dr. K. Sudheer Reddy | Industry Expert |
| 8 | Dr. V. Anandam | Member |
| 9 | Dr. G. Sagar | Member |
| 10 | Mr.Venkata Satyadeep Mane | Alumni |

The Chairman welcomed all the members present for the first BOS meeting of Information Technology. The Chairman also thanked the members for their acceptance to be as a member of BOS (Computer Science and Engineering).

1. Approval of Academic Rules & Regulations – B.Tech.

It is resolved to adopt the B.Tech Academic Rules & Regulations as approved in the combined Boards of studies for the B.Tech. (CSE) program for the batches of students admitted from the academic year 2014– 2015 (given in Annexure – I).

2. Syllabus of I and II Semester Subjects:

Chairman **Prof.H. Venkateswara Reddy** appraised the members that syllabi of the following I and II Semester Courses which are common for all branches of Engineering, were finalized in the meeting of Combined Board of Studies (given in Annexure – II).



Head of the Department
Computer Science & Engineering
VARDHAMAN COLLEGE OF ENGINEERING

1. Technical English
 2. Mathematics – I
 3. Probability Theory and Numerical Methods
 4. Basic Electrical Engineering
 5. Computer Programming
 6. English Language Communication Skills Lab
 7. Computer Programming Lab
 8. IT Workshop
 9. Mathematics – II
 10. Engineering Physics
 11. Engineering Chemistry
 12. Data Structures through C
 13. Engineering Physics and Engineering Chemistry Lab
 14. Data Structures through C Lab
3. The panel of examiners and model question papers for I & II Semesters proposed by the Chairman, BOS (Freshman Engineering) were approved in the meeting of Combined Board of Studies (given in Annexure – III).

4. Courses of III, IV, V, VI, VII and VIII B.Tech:

Course structure of B.Tech (CSE) was presented by the Chairman, BOS (CSE).

After careful perusal and detailed discussion on the proposed courses of III, IV, V, VI, VII and VIII B.Tech in semester pattern, scheme of instruction, marks, credits and elective courses, the course Structure for the academic year 2014-15 and Syllabi of I, II, III and IV Semesters B.Tech(CSE) was approved with the following modifications:

- i. As per the suggestions given by the experts the contents of the courses Computer Programming Lab, Data Structures through C Lab were modified.
- ii. Electronic Devices and Circuits and Electronic Devices and Circuits Lab were shifted to III Semester from II Semester.
- iii. Environmental Science was moved from II Semester to IV Semester.
- iv. Theory of Computation was renamed to Formal Languages and Automata Theory in IV Semester.
- v. Language Processor course was renamed to Compiler Design in V Semester.
- vi. Principle of Programming Languages was introduced in V Semester.
- vii. Computer Graphics course which was in core category in V Semester was moved to VII Semester as a Professional Elective - I.



[Signature]
Head of the Department
 Computer Science & Engineering
 VARDHAMAN COLLEGE OF ENGINEERING
 Shamshabad, Hyderabad

- viii. Mobile Application Development was introduced in V Semester and the content of Web Technologies Lab was modified by deleting concepts of Computer Graphics and by adding concepts of Mobile Application Development.
- ix. Courses like Open Source Technologies, Open Source Technologies Lab, were introduced in VI Semester.
- x. Cyber Security, Cloud Computing and Cloud Computing Lab were introduced in the VII Semester.
- xi. Human Values and Ethics and Intellectual Property Rights courses of VI Semester Interdepartmental Elective - I were combined into a single course as Professional Ethics and Intellectual Property Rights and shifted to VIII Semester in place of Industrial Management and Psychology. The two courses were replaced with Management Science and Organizational Behavior.
- xii. System Analysis and Design Lab in VIII Semester is replaced with Industry Oriented Design Lab.

5. Panel of Examiners for Question paper setting and Valuation for the courses handled by CSE

- a) The panel of examiners for I, II, III and IV Semesters proposed by the Chairman, BOS (CSE) for question paper setting and valuation is approved (given in Annexure - IV).
- b) After the perusal of Model Question Papers submitted by the Chairman, BOS, it is resolved to adopt the same.

6. Approval of Academic Rules, Regulations, Course Structure and Syllabi – M.Tech (CSE & SE).

It is resolved to adopt the revised M.Tech Academic Rules, Regulations, Course Structure and Syllabi of for the M.Tech (CSE)& (SE) programs for the batches of students admitted from the academic year 2014 – 2015 (given in Annexure – V).

7. Any other Item:

a) V, VI, VII and VIII Semesters B.Tech (CSE) Syllabi:

The members requested the chairman, BOS (CSE) to prepare detailed syllabi for V, VI, VII and VIII semester B.Tech (CSE) courses including elective courses with the help of Internal Members.

- b) The Industry expert from Infosys Ltd., Hyderabad has requested the Chairman and members of BOS (CSE) to visit Infosys Ltd., Hyderabad office to interact with some more experts working in different verticals next month.
- c) Send the "Draft Syllabi" to all the External Members, obtain and incorporate the suggestions received.





VARDHAMAN COLLEGE OF ENGINEERING

(AUTONOMOUS)

Shamshabad, Hyderabad - 501 218

DEPARTMENT OF INFORMATION TECHNOLOGY

Meeting of BOS in IT held on 2nd June, 2018

Date: 02-06-2018

Minutes

Members Present:

| | | |
|----|-------------------------|-------------------|
| 1 | Dr. M. Gopichand | Chairman, BOS |
| 2 | Dr. R. Sridevi | J N T U H Nominee |
| 3 | Dr. P. Niranjana | Subject Expert |
| 4 | Dr. C Krishna Mohan | Subject Expert |
| 5 | Dr.J.Kirankumar | Industry Expert |
| 6 | Dr. G. Sagar | Member |
| 7 | Dr.N.Anilkumar | Member |
| 8 | Ms. E. R. Aruna | Member |
| 9 | Dr.K.Dhanasreedevi | Member |
| 10 | Dr. V. MuniSekhar | Member |
| 11 | Mr. T. Raghunatha Reddy | Member |
| 12 | Mr. P.Meherasees | Alumni |

The Chairman welcomed all the members present for the first BOS meeting of IT. The Chairman also thanked the members for their acceptance to be as a member of BOS (IT).

1. Approval of Academic Rules & Regulations VCE-R18 – B. Tech.

It is resolved to adopt the B. Tech Academic Rules & Regulations VCE-R18 under on Choice Based Credit System (CBCS) as approved in the combined Boards of studies for the B. Tech. (IT) program for the batches of students admitted from the academic year 2018 – 2019 (given in annexure – I)

2. Syllabus of I and II Semester Subjects under Regulations VCE-R18 – B. Tech (IT):

Chairman **Dr. M.Gopichand** Appraised the members that syllabi of the following I and II Semester Courses which are common for all branches of Engineering, were finalized in the meeting of Combined Board of Studies.

3. As per the suggestions given by the experts 'Probability and Statistics' subject is included in second year first semester course in IT as it is needed for professional real time analytics.

4. The following amendments were approved by the BOS in connection with VCE R-15 Regulation.

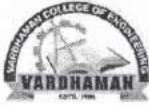
- i. Entrepreneurship course offered as open elective is to be substituted with "Basic Program in Entrepreneurship" offered in Association with Nation Entrepreneurship Network (NEN). Vadhvani Foundation
 - ii. Cloud Computing & Big data Syllabus is updated as per the latest industry trend.
5. The following list of Open Source Softwares for the academic year 2018-19 are approved by the Common BOS of Information Technology and Computer Science and Engineering.

- i. TURBO C ++ 4.5
- ii. DEV C++
- iii. Latex,open office
- iv. Libero office
- v. JDK
- vi. PUTTY
- vii. PHP
- viii. WAMP
- ix. IIS- Server
- x. MySQL
- xi. ECLIPSE IDE
- xii. Open Stack
- xiii. Cloud Sim
- xiv. Window Azure
- xv. Google App Engine
- xvi. Net Beens IDE

Meeting concluded with thanks to the chair.

| | | | |
|----|-------------------------|-----------------|---|
| 1 | Dr. M. Gopichand | Chairman, BOS |  |
| 2 | Dr. R. Sridevi | JNTUH Nominee |  |
| 3 | Dr. C Krishna Mohan | Subject Expert | C. Krishna Mohan |
| 4 | Dr. P. Niranjan | Subject Expert |  |
| 5 | Dr. J.Kirankumar | Industry Expert |  |
| 6 | Dr. G. Sagar | Member |  |
| 7 | Dr.N.Anilkumar | Member | N. Anil Kumar |
| 8 | Ms. E. R. Aruna | Member |  |
| 9 | Dr. V. MuniSekhar | Member |  |
| 10 | Dr.K.Dhanasreedevi | Member |  |
| 11 | Mr. T. Raghunatha Reddy | Member |  |
| 12 | Mr. P.Meher Asees | Alumni |  |


Dr. M. Gopichand
Chairman, BOS-IT



VARDHAMAN COLLEGE OF ENGINEERING

(AUTONOMOUS)

Shamshabad – 501218, Hyderabad

DEPARTMENT OF INFORMATION TECHNOLOGY

Convening Meeting of BOS in IT on 23th November, 2016

Date: 23 November, 2016

As the chairman of Board of Studies, I convene meeting as per the details furnished below:

| | | |
|-------------|---|--|
| Venue | : | Board Room, Freshman Engineering, Level-2, Block-5. |
| Date & Time | : | 23 December 2016, 10.30 AM. |
| Agenda | : | <ul style="list-style-type: none">i) Detailed syllabus for V, VI, VII and VIII Semesters of B. Tech (VCE – R15).ii) Approval of redefine Vision, Mission, PEOs, POs of the department of ITiii) Approval of defined PSOs of the department of ITiv) Approval of Open Source Software list |

All the members of board of studies for IT are requested to attend the meeting and give their valuable suggestions.

Chairman
BOS (IT)

Copy to:

Dr. R. Sridevi, Professor of CSE, JNTUHCE, JNTUCE, JNTUH, Hyderabad.

Dr. P. Niranjan, Professor & Head of CSE, KITS Warangal.

Dr. C. Krishna Mohan, Associate Professor, IITH, Hyderabad

Dr. C Chandra Sekhar Reddy, General Manager NRSC, ISRO, Hyderabad

Dr. G. Sagar, Professor of IT, Member, VCE

Ms. E. R. Aruna, Associate Professor of IT, Member, VCE

Mr. V. MuniSekhar, Associate Professor of IT, Member, VCE.

Mr. T. Raghunatha Reddy, Associate Professor of IT, Member, VCE.

Mr. T. Venkatesh, Alumni



VARDHAMAN COLLEGE OF ENGINEERING

(AUTONOMOUS)

Shamshabad, Hyderabad - 501 218

DEPARTMENT OF INFORMATION TECHNOLOGY

Meeting of BOS in IT held on 23th November, 2016

Date: 23-11-2016

Minutes

Members Present:

| | | |
|----|-----------------------------|-------------------|
| 1 | Dr. M. Gopi Chand | Chairman, BOS |
| 2 | Dr. R Sridevi | J N T U H Nominee |
| 3 | Dr. C.Krishnamohan | Subject Expert |
| 4 | Dr.P.Niranjan | Subject Expert |
| 5 | Mr. C. Chandra Sekhar Reddy | Industry Expert |
| 6 | Dr. G. Sagar | Member |
| 7 | Ms. E. R. Aruna | Member |
| 8 | Mr. V.Muni sekhar | Member |
| 9 | Mr. T.Raghunatha Reddy | Member |
| 10 | Mr. T. Venkatesh | Alumni |

The Chairman welcomed all the members present for the first BOS meeting of IT. The Chairman also thanked the members for their acceptance to be as a member of BOS (IT).

1. Syllabus of V, VI, VII and VIII Semester Subjects under Regulations VCE-R15- B. Tech (IT):

Chairman **Dr. M Gopichand** appraised the members that syllabi of the following I, II, III and IV Semester Courses of IT, were finalized in the **earlier Board of Studies meetings**.

- 3.** The panel of examiners and model question papers for **of V, VI, VII and VIII Semesters** proposed by the Chairman, BOS (Freshman Engineering) were approved in the meeting of Combined Board of Studies (given in Annexure – II).

2. Syllabus of V, VI, VII and VIII Semester Subjects under Regulations VCE-R14- B. Tech (IT):

Chairman **Dr. M Gopichand** appraised the members that syllabi of the following I, II, III and IV Semester Courses of IT, were finalized in the **earlier Board of Studies meetings**.

4. The panel of examiners and model question papers for of V, VI, VII and VIII Semesters proposed by the Chairman, BOS (Freshman Engineering) were approved in the meeting of

The members tentatively approved the "Course Structure" of B. Tech (IT) as enclosed in the Annexure- III.

5. Panel of Examiners for Question paper setting and Valuation for the courses handled by IT

- a) The panel of examiners for V, VI, VII and VIII Semesters proposed by the Chairman, BOS (IT) for question paper setting and valuation is approved (given in Annexure - IV).
- b) After the perusal of Model Question Papers submitted by the Chairman, BOS, it is resolved to adopt the same.

6. Any other Item:

- a) The Industry expert from Infosys Ltd., Hyderabad has requested the Chairman and members of BOS (IT) to visit their office to interact with some more experts working in different verticals next month.
- b) Send the "Draft Syllabi" to all the External Members, obtain and incorporate the suggestions received.

Meeting concluded with thanks to the chair.

| | | | |
|----|-----------------------------|-----------------|---|
| 1 | Dr. M. Gopichand | Chairman, BOS |  |
| 2 | Dr. R. Sridevi | JNTUH Nominee |  |
| 3 | Dr. P. Nirajan | Subject Expert |  |
| 4 | Dr. C. Krishna Mohan | Subject Expert | C. Krishna Mohan |
| 5 | Mr. C. Chandra Sekhar Reddy | Industry Expert | C. Chandrasekhar Reddy |
| 6 | Dr. G. Sagar | Member |  |
| 7 | Ms. E. R. Aruna | Member |  |
| 8 | Mr. V. MuniSekhar | Member |  |
| 9 | Mr. T. Raghunatha Reddy | Member |  |
| 10 | Mr. Nitesh Reddy | Alumni |  |


Chairman, BOS (IT)



VARDHAMAN COLLEGE OF ENGINEERING

(AUTONOMOUS)

Shamshabad, Hyderabad - 501 218

DEPARTMENT OF INFORMATION TECHNOLOGY

Meeting of BOS in IT held on 25th July, 2015

Date: 25-07-2015

Minutes

Members Present:

| | | |
|----|------------------------|-------------------|
| 1 | Dr. M. Gopi Chand | Chairman, BOS |
| 2 | Dr. S. Viswanadha Raju | J N T U H Nominee |
| 3 | Dr.P.Niranjan | Subject Expert |
| 4 | Prof. Neil Gogte | Subject Expert |
| 5 | Dr. C.Krishnamohan | Subject Expert |
| 6 | Dr. K. Sudheer Reddy | Industry Expert |
| 7 | Dr.S.Ravindra | Member |
| 8 | Ms. E. R. Aruna | Member |
| 9 | Mr. V.Munisekhar | Member |
| 10 | Mr. T.Raghunatha Reddy | Member |
| 11 | Mr. Tirumala Naidu T | Alumni |

The Chairman welcomed all the members present for the first BOS meeting of IT. The Chairman also thanked the members for their acceptance to be as a member of BOS (IT).

1. Approval of Academic Rules & Regulations VCE-R15– B.Tech.

It is resolved to adopt the B.Tech Academic Rules & Regulations VCE-R15– B.Tech under on Choice Based Credit System (CBCS) combined Boards of studies for the B.Tech. (IT) program for the batches of students admitted from the academic year 2015– 2016 (given in Annexure – I).

2. Syllabus of I and II Semester Subjects under Regulations VCE-R15- B. Tech (IT):

Chairman **Dr. M Gopichand** appraised the members that syllabi of the following I and II Semester Courses which are common for all branches of Engineering, were finalized in the meeting of Combined Board of Studies .

1. Technical English
 2. Mathematics – I
 3. Probability Theory and Numerical Methods
 4. Basic Electrical Engineering
 5. Computer Programming
 6. English Language Communication Skills Lab
 7. Computer Programming Lab
 8. IT Workshop
 9. Mathematics – II
 10. Engineering Physics
 11. Engineering Chemistry
 12. Data Structures through C
 13. Engineering Physics and Engineering Chemistry Lab
 14. Data Structures through C Lab
3. The panel of examiners and model question papers for I & II Semesters proposed by the Chairman, BOS (Freshman Engineering) were approved in the meeting of Combined Board of Studies (given in Annexure – II).
4. As per the suggestions given by the experts content of the following two courses were modified: **Computer Programming and Electrical Technology**
5. **Courses of III, IV, V, VI, VII and VIII B. Tech(IT):**

Course structure of B. Tech (IT) was presented by the Chairman, BOS (IT). After careful perusal and detailed discussion on the proposed courses of III, IV, V, VI, VII and VIII B. Tech in semester pattern, scheme of instruction, marks, credits and elective courses, the course Structure for the academic year 2015-16 and **Syllabi of I, II, III and IV Semesters B. Tech(IT)** was approved with the following modifications:

- i. As per the suggestions given by the experts the PC Software Lab course was renamed to IT Workshop and the content of the course are also modified.
- ii. Electronic Devices and Circuits and Electronic Devices and Circuits Lab were shifted to III Semester from II Semester.
- iii. Environmental Science was moved from II Semester to IV Semester.
- iv. Theory of Computation was renamed to Formal Languages and Automata Theory in IV Semester.
- v. Language Processor course was renamed to Compiler Design in V Semester.
- vi. Principle of Programming Languages was introduced in V Semester.

- vii. Computer Graphics course which was in core category in V Semester was moved to VII Semester as a Professional Elective - I.
- viii. Mobile Application Development was introduced in V Semester and the content of Web Technologies Lab was modified by deleting concepts of Computer Graphics and by adding concepts of Mobile Application Development.
- ix. Courses like Open Source Technologies, Open Source Technologies Lab, were introduced in VI Semester.
- x. Cyber Security, Cloud Computing and Cloud Computing Lab were introduced in the VII Semester.

The members tentatively approved the "Course Structure" of B. Tech (IT) as enclosed in the Annexure- III.

6. Panel of Examiners for Question paper setting and Valuation for the courses handled by IT

- a) The panel of examiners for I, II, III and IV Semesters proposed by the Chairman, BOS (IT) for question paper setting and valuation is approved (given in Annexure - IV).
- b) After the perusal of Model Question Papers submitted by the Chairman, BOS, it is resolved to adopt the same.



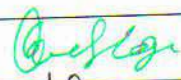
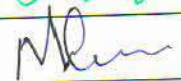
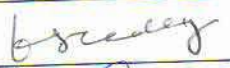




7. Any other Item:

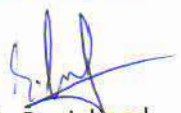
a) V, VI, VII and VIII Semestres B. Tech (IT) Syllabi:

The members requested the chairman, BOS (IT) to prepare detailed syllabi for V, VI, VII and VIII semester B.Tech (IT) courses including elective courses with the help of Internal Members.

- b) The Industry expert from Infosys Ltd., Hyderabad has requested the Chairman and members of BOS (IT) to visit Infosys Ltd., Hyderabad office to interact with some more experts working in different verticals next month.
- c) Send the "Draft Syllabi" to all the External Members, obtain and incorporate the suggestions received.
- d) The members of the BOS (IT) recommended of the following Open Source Software in academic, e.g., PHP, JDK, WTK, NetBeans, Wampp and Xampp Servers, PL/SQL, Apache Tomcate server, Eclipse, MySQL, Seleniqm, BugZilla/Bugbit, and any new open software source for academics.

Meeting concluded with thanks to the chair.

| | | | |
|----|------------------------|-----------------|---|
| 1 | Dr. M. Gopi Chand | Chairman, BOS |  |
| 2 | Dr. S. Viswanadha Raju | JNTU H Nominee |  |
| 3 | Dr.P.Niranjan | Subject Expert |  |
| 4 | Prof. Neil Gogte | Subject Expert |  |
| 5 | Dr. C.Krishnamohan | Subject Expert | C. Krishna Mohan |
| 6 | Dr. K. Sudheer Reddy | Industry Expert |  |
| 7 | Dr.S.Ravindra | Member |  |
| 8 | Ms. E. R. Aruna | Member |  |
| 9 | Mr. V.Munisekhar | Member |  |
| 10 | Mr. T.Raghunatha Reddy | Member |  |
| 11 | Mr. Tirumala Naidu T | Alumni | Absent |


Dr. M. Gopichand
Chairman, BOS-IT



VARDHAMAN COLLEGE OF ENGINEERING

(AUTONOMOUS)

Shamshabad, Hyderabad - 501 218

DEPARTMENT OF INFORMATION TECHNOLOGY

Meeting of BOS in IT held on 30th August, 2014

Date: 30-08-2014

Minutes

Members Present:

| | | |
|----|--------------------------------|-------------------|
| 1 | Dr. S. Sai Satyanarayana Reddy | Chairman, BOS |
| 2 | Dr. A. Vinaya Babu | J N T U H Nominee |
| 3 | Dr. S. V. Rao | Subject Expert |
| 4 | Dr. S. Viswanadha Raju | Subject Expert |
| 5 | Prof. Neil Gogte | Subject Expert |
| 6 | Dr. K. Sudheer Reddy | Industry Expert |
| 7 | Mr. A. Bhanu Prasad | Member |
| 8 | Ms. E. R. Aruna | Member |
| 9 | Mr. A. Krishna Chaitanya | Member |
| 10 | Mr. Tirumala Naidu T | Alumni |

The Chairman welcomed all the members present for the BOS meeting of Information Technology. The Chairman also thanked the members for their acceptance to be as a member of BOS (Information Technology).

1. Approval of Academic Rules & Regulations – B.Tech.

It is resolved to adopt the B.Tech Academic Rules & Regulations as approved in the combined Boards of studies for the B.Tech. (IT) program for the batches of students admitted from the academic year 2014 – 2015 (given in annexure – I).

2. Syllabus of I and II Semester Subjects:

Chairman Dr. S. Sai Satyanarayana Reddy appraised the members that syllabi of the following I and II Semester Courses which are common for all branches of Engineering, were finalized in the meeting of Combined Board of Studies.

1. Technical English
 2. Mathematics – I
 3. Probability Theory and Numerical Methods
 4. Basic Electrical Engineering
 5. Computer Programming
 6. English Language Communication Skills Lab
 7. Computer Programming Lab
 8. IT Workshop
 9. Mathematics – II
 10. Engineering Physics
 11. Engineering Chemistry
 12. Data Structures through C
 13. Engineering Physics and Engineering Chemistry Lab
 14. Data Structures through C Lab
3. The panel of examiners and model question papers for courses of I & II Semesters proposed by the Chairman, BOS (Freshman Engineering) were approved in the meeting of Combined Board of Studies (Given in Annexure – II).

4. Courses of III, IV, V, VI, VII and VIII B.Tech (IT):

Course structure of B.Tech (IT) was presented by the Chairman, BOS (IT).

After careful perusal and detailed discussion on the proposed courses of **III, IV, V, VI, VII and VIII B.Tech** in semester pattern, scheme of instruction, marks, credits and elective courses, the course Structure for the academic year 2014-15 and Syllabi of I, II, III and IV Semesters B.Tech (IT) was approved with the following modifications:

- i. As per the suggestions given by the experts the PC Software Lab course was renamed to IT Workshop and the contents of the course are also modified.
- ii. Electronic Devices and Circuits and Electronic Devices and Circuits Lab courses were shifted to III Semester from II Semester.
- iii. Environmental Science was moved from II Semester to IV Semester.
- iv. Computer Graphics course which was in core category in V Semester was moved to VII Semester as a Professional Elective - I course.

- v. Mobile Application Development was moved from VII Semester to V Semester and the content of Web Technologies Lab was modified by deleting concepts of Computer Graphics and adding concepts of Mobile Application Development.
- vi. Courses like Open Source Technologies, Open Source Technologies Lab, Case Tools and Data Mining Lab were introduced in VI Semester.
- vii. Cyber Security, Cloud Computing and Cloud Computing Lab were introduced in the VII Semester.
- viii. Human Values and Ethics and Intellectual Property Rights courses of VI Semester Interdepartmental Elective - I were combined into a single course as Professional Ethics and Intellectual Property Rights and shifted to VIII Semester in place of Industrial Management and Psychology. The two courses were replaced with Management Science and Organizational Behavior.
- ix. System Analysis and Design Lab in VIII Semester is replaced with Industry Oriented Design Lab.

The members tentatively approved the "Course Structure" of B.Tech (Information Technology) as enclosed in the Annexure - III.

5. Panel of Examiners for Question paper setting and Valuation for the courses handled by IT

- a) The panel of examiners for I, II, III and IV Semesters proposed by the Chairman, BOS (CSE) for question paper setting and valuation is approved (Given in Annexure - IV).
- b) After the perusal of Model Question Papers submitted by the Chairman, BOS, it is resolved to adopt the same.

6. Any other Item:



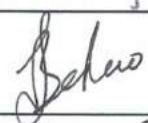
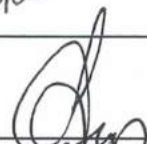
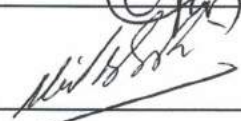
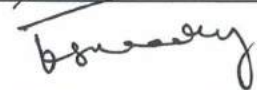
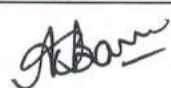


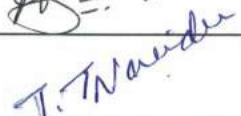
a) V, VI, VII and VIII Semesters B.Tech (IT) Syllabi:


The members requested the chairman, BOS (IT) to prepare detailed syllabi for V, VI, VII and VIII semester B.Tech (IT) courses including elective courses with the help of Internal Members.

- b) The Industry expert from Infosys Ltd., Hyderabad has requested the Chairman and members of BOS (IT) to visit Infosys Ltd., Hyderabad office to interact with some more experts working in different verticals next month.
- c) Send the "Draft Syllabi" to all the External Members, obtain and incorporate the suggestions received.

Members resolved to finalize the syllabi for V, VI, VIII and VIII semesters courses and elective courses, in the next meeting of the Board of Studies.

Meeting concluded with thanks to the chair.

| | | | |
|----|--------------------------------|-------------------|---|
| 1 | Dr. S. Sai Satyanarayana Reddy | Chairman, BOS |  |
| 2 | Dr. A. Vinaya Babu | J N T U H Nominee |  |
| 3 | Dr. S. V. Rao | Subject Expert |  |
| 4 | Dr. S. Viswanadha Raju | Subject Expert |  |
| 5 | Prof. Neil Gogte | Subject Expert |  |
| 6 | Dr. K. Sudheer Reddy | Industry Expert |  |
| 7 | Mr. A. Bhanu Prasad | Member |  |
| 8 | Ms. E. R. Aruna | Member |  |
| 9 | Mr. A. Krishna Chaitanya | Member |  |
| 10 | Mr. Tirumala Naidu T | Alumni |  |


Dr. S. Sai Satyanarayana Reddy
 Chairman
 Board of Studies in IT

VARDHAMAN COLLEGE OF ENGINEERING

(Autonomous)

Shamshabad – 501 218, Hyderabad

DEPARTMENT OF INFORMATION TECHNOLOGY

MINUTES OF SECOND BOARD OF STUDIES (UG) MEETING IN INFORMATION TECHNOLOGY HELD ON 25 FEBRUARY, 2012

Members Present:

| | | |
|---|---------------------------------|--------------------------|
| 1 | Dr. N. Sambasiva Rao | Chairman |
| 2 | Dr. A Vinaya Babu | JNTUH Nominee |
| 3 | Dr. B Eswara Reddy | Member (Subject Expert) |
| 4 | Dr. K G Srinivasa | Member (Subject Expert) |
| 5 | Mr. Tapas Das | Member (Industry Expert) |
| 6 | Mr. A. Bhanu Prasad | Member |
| 7 | Ms. E. R. Aruna | Member |
| 8 | Mr. A. Krishna Chaitanya | Member |
| 9 | Mr. A Vamshidhar Reddy | Member (Alumni) |

The Chairman welcomed all the members present for the second BOS meeting of Information Technology.

1. Resolutions of BOS Meeting held on 3 September, 2011:

Resolved to Approve Action Taken Report presented by the Chairman, Board of Studies in Information Technology, Dr. N. Sambasiva Rao (Appendix - I).

2. Course Structure and Syllabi of III, IV, V, VI, VII and VIII Semester B.Tech (IT):

After careful perusal and detailed discussion, the course structure and syllabi of III, IV, V, VI, VII and VIII Semester B.Tech (IT) is Approved (Appendix - II).

3. **Substitute (Equivalent) subjects:**

Resolved to authorize the Chairman, BOS in Information Technology to present the appropriate "Substitute Subjects" to the Chairman, Academic Council.

4. **Panel of Examiners for question paper setting for the courses in III and IV semester B. Tech (CSE & IT):**

The panel of examiners for question paper setting for the courses in III & IV Semesters proposed by the Chairman, BOS in Computer Science and Engineering and Information Technology are **approved** (Given in annexure – III).

5. **Model Question Papers for the courses in III and IV semester B. Tech (CSE & IT):**

After the perusal of Model Question Papers submitted by the chairman, BOS in CSE & IT for the courses in III & IV Semesters proposed by the Chairman, BOS in Computer Science and Engineering and Information Technology are **approved** (Given in annexure – IV).

6. The Chairman, BOS in IT has requested the members to introduce a skilled professional training Lab, **which is required for the students to be trained in the area required to meet the current day need of the Industry.**

The members appreciated and **RESOLVED** to reduce 2 credits from the VIII semester project work and introduce "Programming Tools and Techniques Lab" evaluated for 75 marks, out of which 50 marks are for external examination and 25 marks are for internal evaluation.

7. **Amendment to VCE – R11 Regulations:**

COMPREHENSIVE VIVA

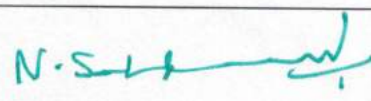
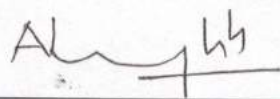
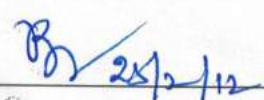
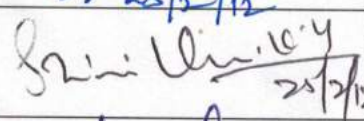
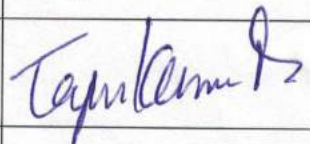
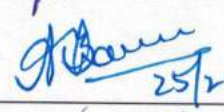
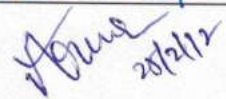

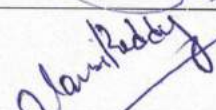
Existing :


The comprehensive Viva will be conducted by a committee comprising Head of the Department or his/her nominee, two senior faculty of the respective department and an external examiner from outside the college. This is aimed at assessing the student's understanding of various subjects studied during the entire program of 4 years. The comprehensive viva shall be evaluated for **50 marks** at the end of VIII semester. A minimum of 40% of maximum marks shall be obtained to earn the corresponding credits.

Amendment:

The comprehensive Viva will be conducted by a committee comprising Head of the Department or his/her nominee, two senior faculty of the respective department and an external examiner from outside the college. This is aimed at assessing the student's understanding of various subjects studied during the entire program of 8 Semesters. The comprehensive viva shall be evaluated for **75 marks** at the end of VIII semester. A minimum of 40% of maximum marks shall be obtained to earn the corresponding credits.

Meeting concluded with thanks to the chair.

| | | | |
|---|--------------------------|--------------------------|---|
| 1 | Dr. N. Sambasiva Rao | Chairman |  |
| 2 | Dr. A Vinaya Babu | JNTUH Nominee |  |
| 3 | Dr. B Eswara Reddy | Member (Subject Expert) |  |
| 4 | Dr. K G Srinivasa | Member (Subject Expert) |  |
| 5 | Mr. Tapas Das | Member (Industry Expert) |  |
| 6 | Mr. A. Bhanu Prasad | Member |  |
| 7 | Ms. E. R. Aruna | Member |  |
| 8 | Mr. A. Krishna Chaitanya | Member |  |
| 9 | Mr. A Vamshidhar Reddy | Member (Alumni) |  |


Dr. N. Sambasiva Rao
Chairman
Board of Studies in IT

VARDHAMAN COLLEGE OF ENGINEERING

(Autonomous)

Shamshabad – 501 218, Hyderabad

DEPARTMENT OF INFORMATION TECHNOLOGY

MINUTES OF FIRST BOARD OF STUDIES (UG) MEETING IN INFORMATION TECHNOLOGY HELD ON 3RD SEPTEMBER, 2011

Members Present:

| | | |
|---|--------------------------|--------------------------|
| 1 | Dr. N. Sambasiva Rao | Chairman |
| 2 | Dr. A. Vinaya Babu | JNTUH Nominee |
| 3 | Dr. B. Eswara Reddy | Member (Subject Expert) |
| 4 | Dr. K.G. Srinivasa | Member (Subject Expert) |
| 5 | Mr. Tapas Das | Member (Industry Expert) |
| 6 | Mr. A. Bhanu Prasad | Member |
| 7 | Ms. E. R. Aruna | Member |
| 8 | Mr. A. Krishna Chaitanya | Member |
| 9 | Mr. A. Vamsidhar Reddy | Alumni |

The Chairman welcomed all the members present for the first BOS meeting of Information Technology.

The Chairman also thanked the members for their acceptance to be as a member of BOS (Information Technology).

1. Approval of Academic Rules & Regulations – B.Tech

It is **RESOLVED** to adopt the B.Tech academic Rules & Regulations as approved in the Joint Board of Studies for the B. Tech (IT) program for the batches of students admitted from the academic year 2011 – 2012 (Given in Annexure – I).

2. As per the suggestions given by the experts the contents of Computer Programming is modified with the consultation of Chairman, BOS – CSE and **RESOLVED to adopt the modified syllabus.**

3. Syllabus of I and II Semester Subjects:

Chairman **Dr. N. Sambasiva Rao** appraised the members that syllabi of the following I and II Semester Subjects of Engineering, were finalized in the meeting of Joint Board of Studies.

1. Technical English (common for all Branches)
2. Engineering Physics (common for all Branches)
3. Engineering Chemistry (common for all Branches)
4. Mathematics – I (common for all Branches)
5. Mathematics – II (common for all Branches)
6. Computer Programming (common for all Branches)
7. Environmental Science (common for all Branches)
8. Computational Techniques (ME/ECE)
9. Probability, Statistics and Computational Techniques (CSE/IT/AE/EEE/CE)
10. Data Structures through C (CSE/IT/ECE/EEE)
11. Engineering Mechanics (ME/AE/CE)
12. Basic Electrical Engineering (CSE/IT/ECE/EEE)
13. Basic Electrical and Electronics Engineering (ME/AE/CE)
14. Computer Programming Lab (common for all Branches)
15. Engineering Physics and Engineering Chemistry Lab (common for all Branches)
16. English Language Communication Skills Lab (common for all Branches)
17. Engineering Workshop (ME/AE/CE)
18. PC Software Lab (CSE/IT/ECE/EEE)
19. Data Structures through C Lab (CSE/IT/ECE/EEE)
20. Computer Aided Engineering Drawing Lab (CSE/IT/ECE/EEE)
21. Engineering Drawing (ME/AE/CE)
22. Advanced Engineering Drawing (ME/AE/CE)

4. Panel of Examiners for question paper setting for the courses in I and II semester B. Tech(IT)

- It is **RESOLVED** to authorize the panel of examiners for question paper setting for the subjects Computer Programming and Data Structures through C in I and II Semester B.Tech by the Chairman, BOS – Computer Science and Engineering.

- It is **RESOLVED** to authorize the panel of examiners for question paper setting for the subject Basic Electrical Engineering in B. Tech II Semester by the Chairman, BOS - Electrical and Electronics Engineering.
- It is **RESOLVED** to authorize the panel of examiners for question paper setting for the subjects Technical English, Engineering Physics, Engineering Chemistry, Mathematics – I, Mathematics – II, Environmental Science, Probability Statistics and Computational Techniques for Computer Science and Engineering in B. Tech I and II semester by the Chairman, BOS - Freshman Engineering.

5. After the perusal of Model Question Papers submitted by the chairman, BOS – CSE for the courses, Computer Programming and Data Structures through C it is **RESOLVED** to adopt the same.

6. **Subjects of III, IV, V, VI, VII and VIII B.Tech:**

Course structure of B. Tech (Information Technology) was presented by the Chairman BOS, IT. Proposed subjects of III, IV, V, VI, VII and VIII B.Tech in semester pattern, scheme of instruction, marks, credits and elective subjects were discussed. Introduction of Technical Seminar and Mini Project in VIII Semester, Interdepartmental Elective – I and II in VI and VII semesters respectively, Professional Electives – I in VII semester and Professional Electives – II and III in VIII semester were considered appropriate.

The members unanimously approved the “Course Structure” of B. Tech (Information Technology) enclosed in the annexure - II.

7. **Any Other Item:**




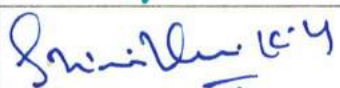
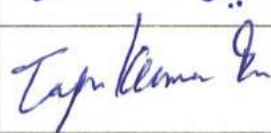

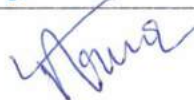

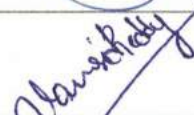
a) **III, IV, V, VI, VII and VIII Semester B. Tech (Information Technology) Syllabi:**

The members requested the Chairman BOS (IT) to prepare detailed syllabi for III, IV, V, VI, VII and VIII semesters of B.Tech, subjects including elective subjects with the help of Internal Members.

- b) Send the "Draft Syllabi" to all the External Members, obtain and incorporate the suggestions received.

Members resolved to finalize the syllabi of III, IV, V, VI, VIII and VIII semester subjects and elective subjects, in the next meeting of the Board of Studies.

Meeting concluded with thanks to the chair.

| | | | |
|---|--------------------------|--------------------------|---|
| 1 | Dr. N. Sambasiva Rao | Chairman |  |
| 2 | Dr. A. Vinaya Babu | JNTUH Nominee |  |
| 3 | Dr. B. Eswara Reddy | Member (Subject Expert) |  |
| 4 | Dr. K.G. Srinivasa | Member (Subject Expert) |  |
| 5 | Mr. Tapas Das | Member (Industry Expert) |  |
| 6 | Mr. A. Bhanu Prasad | Member |  |
| 7 | Ms. E. R. Aruna | Member |  |
| 8 | Mr. A. Krishna Chaitanya | Member |  |
| 9 | Mr. A. Vamsidhar Reddy | Alumni |  |


Dr. N. Sambasiva Rao
Chairman, BOS - IT



**VARDHAMAN COLLEGE OF ENGINEERING
(AUTONOMOUS)**

Shamshabad – 501 218, Hyderabad
Department of Management studies
BOS Meeting held on 13th July, 2018.

Minutes

Members Present:

| | | |
|-----|---------------------|-----------------|
| 1. | Dr.V.Sreehari | Chairman |
| 2. | Dr.A.Prabhu kumar | JNTUH Nominee |
| 3. | Dr.A.Sudhakar | Subject Expert |
| 4. | Dr.Sujendra swamy.P | Subject Expert |
| 5. | Mr.Praveen gaidhane | Industry Expert |
| 6. | Dr.N.Ramakrishnudu | Member |
| 7. | Dr.M.Bhavani | Member |
| 8. | Mr. G.Ramesh | Member |
| 9. | Mrs .K.Jaahnavi | Member |
| 10. | Mr.K.Santosh Kumar | Member |
| 11. | Mr.B.Raghu | Alumni |

The Chairman welcomed all the BOS Members present for the meeting of Department of Management Studies. The Chairman also thanked all the members for extending their cooperation to review the M.B.A. course structure and syllabi of VCE-R18 regulations along with Management courses in B.Tech. The following points have been discussed.

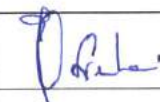

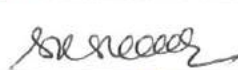


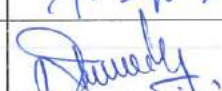

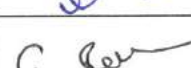
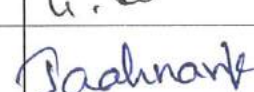

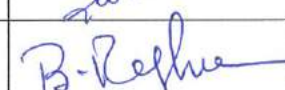
After detailed deliberations on existing MBA course structure and contents of the syllabus, it is resolved to follow the enclosed MBA course structure and syllabus from the academic year 2018-2019 onwards under choice based credit system as per AICTE model curriculum.

1. The committee has decided 25 marks for internal and 75 marks for external, out of which 40% of external as well as 50% aggregate marks to be considered as pass. (Subjected to directions from JNTUH)
2. It is resolved that one External expert should conduct project viva- voce examination.
3. Three subject experts should be selected for each panel, out of which 1 subject expert will be finalized by controller of Examination to conduct viva – voce.
4. The external marks should be awarded with an average of Evaluator 1 and Evaluator 2.
5. If the difference between Evaluator 1 and Evaluator 2 is more than 15 marks then third evaluation should be conducted and the average of nearing two evaluator's marks should be considered for final mark.

6. It is resolved that there should be at least Two Management subjects made compulsory to all the B.Tech. programs i.e., MEFA, MS & other open elective papers to satisfy AICTE Norms which should be approved by BOS of Management studies.

Members finalized VCE – R18 course structure and syllabi of MBA I, II, III, and IV semesters subjects and finalized subjects based on AICTE model curriculum along with Management subjects of B.Tech.

The BOS meeting is concluded by expressing thanks by the chair.

| | | | |
|-----|---------------------|-----------------|---|
| 1. | Dr.V.Sreehari | Chairman |  |
| 2. | Dr.A.Prabhu kumar | JNTUH Nominee |  |
| 3. | Dr.A.Sudhakar | Subject Expert |  |
| 4. | Dr.Sujendra swamy.P | Subject Expert |  |
| 5. | Mr.Praveen gaidhane | Industry Expert |  |
| 6. | Dr.N.Ramakrishnudu | Member |  |
| 7. | Dr.M.Bhavani | Member |  |
| 8. | Mr. G.Ramesh | Member |  |
| 9. | Mrs .K.Jaahnavi | Member |  |
| 10. | Mr.K.Santosh Kumar | Member |  |
| 11. | Mr.B.Raghu | Alumni |  |


Dr. V. Sreehari,
Chairman,

Board of studies in Management Studies.

VARDHAMAN COLLEGE OF ENGINEERING

(AUTONOMOUS)

SYLLABUS

MBA - MASTER OF BUSINESS ADMINISTRATION

REGULATIONS: VCE-18



| I SEMESTER | | | | | | | |
|-------------|--|------------------|----------|-----------|-----------------------|------------|------------|
| Code | Subject | Periods per Week | | Credits | Scheme of Examination | | |
| | | L+T | P | | Maximum Marks | | |
| | | | | | Internal | External | Total |
| C4001 | Management & organizational behavior | 4+0 | - | 4 | 25 | 75 | 100 |
| C4002 | Statistics for Management | 3+1 | - | 4 | 25 | 75 | 100 |
| C4003 | Managerial Economics | 4+0 | - | 4 | 25 | 75 | 100 |
| C4004 | Accounting for management | 3+1 | - | 4 | 25 | 75 | 100 |
| C4005 | Business Laws | 4+0 | - | 4 | 25 | 75 | 100 |
| C4006 | Business Environment | 4+0 | - | 4 | 25 | 75 | 100 |
| C4007 | Business Communication Lab | - | 3 | 1.5 | 25 | 75 | 100 |
| C4008 | IT for Managers | - | 3 | 1.5 | 25 | 75 | 100 |
| | TOTAL | 22+2 | 6 | 27 | 200 | 600 | 800 |
| II SEMESTER | | | | | | | |
| Code | Subject | Periods per Week | | Credits | Scheme of Examination | | |
| | | L+T | P | | Maximum Marks | | |
| | | | | | Internal | External | Total |
| C4009 | Financial Management | 3+1 | - | 4 | 25 | 75 | 100 |
| C4010 | Marketing Management | 4+0 | - | 4 | 25 | 75 | 100 |
| C4011 | Human Resource Management | 4+0 | - | 4 | 25 | 75 | 100 |
| C4012 | Production and operations management | 4+0 | - | 4 | 25 | 75 | 100 |
| C4013 | Quantitative Analysis For Business Decisions | 3+1 | - | 4 | 25 | 75 | 100 |
| C4014 | Business Research Methods | 4+0 | - | 4 | 25 | 75 | 100 |
| C4015 | Personal Effectiveness – Seminar | - | 3 | 1.5 | 100 | -- | 100 |
| C4016 | Industry Analysis and Report Presentation | - | 3 | 1.5 | 25 | 75 | 100 |
| | TOTAL | 22+2 | 6 | 27 | 275 | 525 | 800 |

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 13.7.18
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 15/2/18

[Handwritten signatures]
 Daahmani
 Santosh
 Dhanu

| III SEMESTER | | | | | | | |
|----------------------------|--------------------------------|------------------|-----------|-----------|-----------------------|------------|------------|
| Code | Subject | Periods per week | | Credits | Scheme of Examination | | |
| | | | | | Maximum Marks | | |
| | | L+T | P | | Internal | External | Total |
| C4017 | Strategic Management | 4+0 | - | 4 | 25 | 75 | 100 |
| C4018 | Entrepreneurship Development | 4+0 | - | 4 | 25 | 75 | 100 |
| OPEN ELECTIVE- I | | 4+0 | - | 4 | 25 | 75 | 100 |
| PROFESSIONAL ELECTIVE- I | | 4+0 | - | 4 | 25 | 75 | 100 |
| PROFESSIONAL ELECTIVE- II | | 4+0 | - | 4 | 25 | 75 | 100 |
| PROFESSIONAL ELECTIVE- III | | 4+0 | - | 4 | 25 | 75 | 100 |
| C4035 | Summer internship | 0+3 | - | 2 | 100 | - | 100 |
| TOTAL | | 24+3 | - | 26 | 250 | 450 | 700 |
| IV SEMESTER | | | | | | | |
| Code | Subject | Periods per week | | Credits | Scheme of Examination | | |
| | | | | | Maximum Marks | | |
| | | L+T | P | | Internal | External | Total |
| OPEN ELECTIVE- II | | 4+0 | - | 4 | 25 | 75 | 100 |
| PROFESSIONAL ELECTIVE- IV | | 4+0 | - | 4 | 25 | 75 | 100 |
| PROFESSIONAL ELECTIVE- V | | 4+0 | - | 4 | 25 | 75 | 100 |
| PROFESSIONAL ELECTIVE- VI | | 4+0 | - | 4 | 25 | 75 | 100 |
| C4052 | Comprehensive Viva-Voce | - | - | 1 | - | 100 | 100 |
| C4053 | Pre submission of project work | - | 3 | 1 | 100 | - | 100 |
| C4054 | Project Work | - | 12 | 4 | 25 | 75 | 100 |
| TOTAL | | 16 | 15 | 22 | 225 | 475 | 700 |

Azeem

S. S. S. S. S.
12.7.18
S. S. S. S. S.
12/7/18

Travels
B. R. R. R. R.

G. R.

A. R.

Tashnani

Secretary

Ramulu

| Code | Subject |
|-------|--|
| C4019 | Business Ethics & Corporate Governance |
| C4020 | International Business |
| C4021 | Management Information System |
| C4022 | Management of Rural Business |

OPEN ELECTIVE - II

| Code | Subject |
|-------|---------------------------------------|
| C4036 | Logistics and Supply chain Management |
| C4037 | Total Quality Management |
| C4038 | Technology Management |
| C4039 | Data Sciences |

| PROFESSIONAL ELECTIVES | | | |
|------------------------|--|---------------------------|--|
| FINANCE | | HUMAN RESOURCE MANAGEMENT | |
| Code | Subject | Code | Subject |
| C4023 | Security Analysis and portfolio Management | C4026 | Compensation and Reward Management |
| C4024 | Financial Institutions, Markets and Services | C4027 | Performance Management |
| C4025 | Cost & Management Accounting | C4028 | Industrial Relations |
| C4040 | Risk Management & Derivatives | C4043 | Strategic Human Resource Management |
| C4041 | International Financial Management | C4044 | Organization Development |
| C4042 | Banking and Insurance | C4045 | Knowledge Management & Employee Engagement |
| MARKETING | | SYSTEMS | |
| Code | Subject | Code | Subject |
| C4029 | Consumer Behavior and Marketing Research | C4032 | Cyber Security |
| C4030 | Retail Management | C4033 | Enterprise Resource Planning |
| C4031 | Service Marketing | C4034 | Information Systems, Control and Audit |
| C4046 | International Marketing | C4049 | Decision Support System |
| C4047 | Advertising & Sales Management | C4050 | Data Mining and Data Warehousing |
| C4048 | Customer Relationship Management | C4051 | E – Business |

**** Students should choose any one of the three specializations mention above. They should study first three professional electives of each specialization chosen in III semester and rest in IV semester.**

three professional electives of each s

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Guy Ballab
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VARDHAMAN COLLEGE OF ENGINEERING

(Autonomous)

Shamshabad – 501 218, Hyderabad

Minutes of the Board of Studies in Master of Business Administration

The meeting of Board of Studies in Master of Business Administration held on 25th July 2015 at 10.30 AM in the Board room of the college to discuss the course structure and syllabus of MBA course offering at this college.

Members .

| | | |
|----|-------------------------|-------------------------|
| 1 | Dr.V.Sreehari | Chairperson |
| 2 | Dr.A.Prabhu Kumar | JNTUH Nominee |
| 3 | Prof. P.Indrasena Reddy | Member (Subject Expert) |
| 4 | Dr.P.Nagaraju | Member (Subject Expert) |
| 5 | Dr. M.Ravindar Reddy | Member (Subject Expert) |
| 6 | Mr.Praveen Gaidhane | Member(Industry Expert) |
| 7 | Ms.K.Jaahnavi | Member |
| 8 | Mr.G.Ramesh | Member |
| 9 | Mr.K.Santosh Kumar | Member |
| 10 | Mr.R.D.Praveen Kumar | Member (Alumni) |

After detailed deliberations on existing MBA course structure and contents of the syllabus, it is resolved to follow the enclosed MBA course structure and syllabus from the academic year 2015-16 onwards.

| Members Present | | | |
|-----------------|----------------------------|-------------------------|---------------------------------------|
| 1 | Dr. V. Sreehari | Chairperson | <i>[Signature]</i> 25/7/15 |
| 2 | Dr. A. Prabhu Kumar | JNTUH Nominee | <i>A. Prabhu Kumar</i> 25/7/15 |
| 3 | Prof.P.Indrasena reddy | Member (Subject Expert) | — Absent — |
| 4 | Dr.P.Nagaraju | Member (Subject Expert) | <i>[Signature]</i> |
| 5 | Prof. Dr. M.Ravindar Reddy | Member (Subject Expert) | <i>[Signature]</i> 25/7/15 |
| 6 | Mr.Praveen Gaidhane | Member(Industry Expert) | <i>Praveen Gaidhane</i> 25th July 15. |
| 7 | Ms.K.Jaahnavi | Member | <i>Jaahnavi</i> |
| 8 | Mr.G.Ramesh | Member | <i>G. Ramesh</i> 25/7/15 |
| 9 | Mr.K.Santosh Kumar | Member | <i>Santosh</i> |
| 10 | Mr.R.D.Praveen Kumar | Member (Alumni) | <i>R.D. Praveen Kumar</i> 25/7/15 |



VARDHAMAN COLLEGE OF ENGINEERING

(Autonomous)

Shamshabad – 501 218, Hyderabad

Minutes of the Board of Studies in Master of Business Administration

The meeting of Board of Studies in Master of Business Administration held on 25th July 2015 at 10.30 AM in the Board room of the college to discuss the course structure and syllabus of MBA course offering at this college.

Members

| | | |
|----|-------------------------|-------------------------|
| 1 | Dr.V.Sreehari | Chairperson |
| 2 | Dr.A.Prabhu Kumar | JNTUH Nominee |
| 3 | Prof. P.Indrasena Reddy | Member (Subject Expert) |
| 4 | Dr.P.Nagaraju | Member (Subject Expert) |
| 5 | Dr. M.Ravindar Reddy | Member (Subject Expert) |
| 6 | Mr.Praveen Gaidhane | Member(Industry Expert) |
| 7 | Ms.K.Jaahnavi | Member |
| 8 | Mr.G.Ramesh | Member |
| 9 | Mr.K.Santosh Kumar | Member |
| 10 | Mr.R.D.Praveen Kumar | Member (Alumni) |

After detailed deliberations on existing MBA course structure and contents of the syllabus, it is resolved to follow the enclosed MBA course structure and syllabus from the academic year 2015-16 onwards under Choice Based Credit System.

- The committee has decided 40 marks for internal and 60 Marks for external, out of which 40% of external as well as aggregate marks to be considered as pass.
- In Percentage Equivalence of *Grade Points*, the committee has recommended "O" Grade as excellent , instead of outstanding.
- It is resolved that One External expert should conduct project viva voce for 10 students.
- Three subject experts should be selected for each panel, out of which 1 subject expert will be finalized by Controller of Examination to conduct viva-voce.
- The marks should be awarded with an average of Evaluator1 and Evaluator2.
- If the difference between Evaluator1 and Evaluator2 is more than 12 Marks then third evaluation should be conducted and the average of nearing two evaluators' marks should be considered for final mark.
- It is resolved that there should be at least Two Management subjects made compulsory to all the B. Tech. Programmes i.e. MEFA, MS/IM to satisfy AICTE Norms of 5% to 10% as well as minimum 14 credits under H&S which should be approved by BOS of Management studies .
- It is resolved that Panel of experts should be approved by BOS, Management studies for Paper setting and External evaluation of MBA papers as well as Management papers in B. Tech.

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 Praveen
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 A. C. V. V.
 25/7/15

| III SEMESTER | | | | | | | |
|--------------|--------------------------------------|------------------|-----------|-----------|-----------------------|------------|------------|
| Code | Subject | Periods per week | | Credits | Scheme of Examination | | |
| | | | | | Maximum Marks | | |
| | | L+T | P | | Internal | External | Total |
| C3017 | International Business | 3+1 | - | 3 | 40 | 60 | 100 |
| C3018 | Production and Operations Management | 3+1 | - | 3 | 40 | 60 | 100 |
| C3019 | Strategic Management | 3+1 | - | 3 | 40 | 60 | 100 |
| | OPEN ELECTIVE | 4+1 | - | 4 | 40 | 60 | 100 |
| | PROFESSIONAL ELECTIVE- I | 3+1 | - | 3 | 40 | 60 | 100 |
| | PROFESSIONAL ELECTIVE- II | 3+1 | - | 3 | 40 | 60 | 100 |
| | PROFESSIONAL ELECTIVE- III | 3+1 | - | 3 | 40 | 60 | 100 |
| | TOTAL | 21+7 | - | 22 | 280 | 420 | 700 |
| IV SEMESTER | | | | | | | |
| Code | Subject | Periods per week | | Credits | Scheme of Examination | | |
| | | | | | Maximum Marks | | |
| | | L+T | P | | Internal | External | Total |
| C3036 | Entrepreneurship Development | 3+1 | - | 3 | 40 | 60 | 100 |
| | PROFESSIONAL ELECTIVE- IV | 3+1 | - | 3 | 40 | 60 | 100 |
| | PROFESSIONAL ELECTIVE- V | 3+1 | - | 3 | 40 | 60 | 100 |
| | PROFESSIONAL ELECTIVE- VI | 3+1 | - | 3 | 40 | 60 | 100 |
| C3049 | Project Work | | 12 | 10 | 25 | 75 | 100 |
| | TOTAL | 12+4 | 12 | 22 | 185 | 315 | 500 |

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25/7/15

Santosh

G. K.

VARDHAMAN COLLEGE OF ENGINEERING

(AUTONOMOUS)

SYLLABUS

MBA - MASTER OF BUSINESS ADMINISTRATION

REGULATIONS: VCE-15

OPEN ELECTIVE

| Code | Subject |
|-------|---------------------------------------|
| C3020 | Cost and Management Accountancy |
| C3021 | Logistics and Supply chain Management |
| C3022 | Total Quality Management |
| C3023 | Technology Management |

| PROFESSIONAL ELECTIVES | | | |
|------------------------|--|---------------|---|
| ELECTIVE - I | | ELECTIVE - II | |
| Code | Subject | Code | Subject |
| C3024 | Consumer Behavior and Customer Relationship Management | C3028 | Service Marketing Management |
| C3025 | Security Analysis and portfolio Management | C3029 | Financial Institutions and Markets |
| C3026 | Strategic Human Resource Management | C3030 | Training and Development |
| C3027 | Cyber Intelligence | C3031 | Enterprise Resource Management |
| ELECTIVE - III | | ELECTIVE - IV | |
| Code | Subject | Code | Subject |
| C3032 | Retail Management | C3037 | International Marketing |
| C3033 | Financial Risk Management | C3038 | Strategic Investment and Finance Decision |
| C3034 | Performance Management | C3039 | Industrial Relations |
| C3035 | Information Systems, Control and Audit | C3040 | Decision Support System |
| ELECTIVE - V | | ELECTIVE - VI | |
| C3041 | Sales and Distribution Management | C3045 | Advertising & Brand Management |
| C3042 | International Finance | C3046 | Banking and Insurance |
| C3043 | Compensation and Reward Management | C3047 | Change Management |
| C3044 | Data Mining and Data Warehousing | C3048 | E - Business |

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Praveen
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YARDHAMAN COLLEGE OF ENGINEERING

Shamshabad – 501 218, Hyderabad

Minutes of the Board of Studies in Master of Business Administration

The meeting of Board of Studies in Master of Business Administration held on 28th August 2014 at 10.30 AM in the Board room of the college to discuss the course structure and syllabus of MBA course offering at this college.

Members Present:

| | | |
|---|----------------------------|-------------------------|
| 1 | Mrs.K.Jaahnavi | Chairperson |
| 2 | Prof. Dr.A.R.Aryasri | JNTUH Nominee |
| 3 | Prof. Dr.P.Indrasena reddy | Member (Subject Expert) |
| 4 | Prof. Dr. M.Ravindar Reddy | Member (Subject Expert) |
| 5 | Prof. Dr.P.Nagaraju | Member (Subject Expert) |
| 6 | Mr.G.Ramesh | Member |
| 7 | Mr.K.Santosh Kumar | Member |
| 8 | Mr.R.D.Praveen Kumar | Member (Alumni) |

After detailed deliberations on existing MBA course structure and contents of the syllabus, it is resolved to follow the enclosed MBA course structure and syllabus from the academic year 2014-15 onwards.

| I SEMESTER | | | | | | | |
|------------|---|------------------|---|---------|-------------------------------------|----------|-------|
| Code | Subject | Periods per Week | | Credits | Scheme of Examination Maximum Marks | | |
| | | L | P | | Internal | External | Total |
| C1001 | Management Fundamentals | 4 | - | 4 | 40 | 60 | 100 |
| C1002 | Research Methodology & Statistical Analysis | 4 | - | 4 | 40 | 60 | 100 |
| C1003 | Managerial Economics | 4 | - | 4 | 40 | 60 | 100 |
| C1004 | Financial Accounting and Analysis | 4 | - | 4 | 40 | 60 | 100 |
| C1005 | Business Laws & Regulations | 4 | - | 4 | 40 | 60 | 100 |
| C1006 | Business Environment | - | 3 | 2 | 50 | - | 50 |
| C1007 | Business Communication Lab | - | 3 | 2 | 50 | - | 50 |
| C1008 | IT for Managers | - | 3 | 2 | 50 | - | 50 |
| Total | | 24 | 6 | 28 | 340 | 360 | 700 |

| II SEMESTER | | | | | | | |
|--------------|--|------------------|----------|-----------|-------------------------------------|------------|------------|
| Code | Subject | Periods per Week | | Credits | Scheme of Examination Maximum Marks | | |
| | | L | P | | Internal | External | Total |
| C1009 | Financial Management | 4 | - | 4 | 40 | 60 | 100 |
| C1010 | Marketing Management | 4 | - | 4 | 40 | 60 | 100 |
| C1011 | Human Resource Management | 4 | - | 4 | 40 | 60 | 100 |
| C1012 | Production and Operations Management | 4 | - | 4 | 40 | 60 | 100 |
| C1013 | Quantitative Analysis for Business Decisions | 4 | - | 4 | 40 | 60 | 100 |
| C1014 | Management Information Systems | 4 | - | 4 | 40 | 60 | 100 |
| C1015 | Personal Effectiveness – Seminar | - | 3 | 2 | 50 | - | 50 |
| C1016 | Industry Analysis and Report Presentations | - | 3 | 2 | 50 | - | 50 |
| Total | | 24 | 6 | 28 | 340 | 360 | 700 |

| III SEMESTER | | | | | | | |
|---------------|--------------------------|------------------|----------|-----------|-------------------------------------|------------|------------|
| Code | Subject | Periods per Week | | Credits | Scheme of Examination Maximum Marks | | |
| | | L | P | | Internal | External | Total |
| C1017 | Entrepreneurship | 4 | - | 4 | 40 | 60 | 100 |
| C1018 | Organizational Behaviour | 4 | - | 4 | 40 | 60 | 100 |
| C1019 | Strategic Management | 4 | - | 4 | 40 | 60 | 100 |
| C1020 | International Business | 4 | - | 4 | 40 | 60 | 100 |
| Elective -I | | 4 | - | 4 | 40 | 60 | 100 |
| Elective -II | | 4 | - | 4 | 40 | 60 | 100 |
| Elective -III | | 4 | - | 4 | 40 | 60 | 100 |
| Total | | 28 | - | 28 | 280 | 420 | 700 |

| IV SEMESTER | | | | | | | |
|-------------|--------------|------------------|----|---------|-------------------------------------|----------|-------|
| Code | Subject | Periods per Week | | Credits | Scheme of Examination Maximum Marks | | |
| | | L | P | | Internal | External | Total |
| | Elective -IV | 4 | - | 4 | 40 | 60 | 100 |
| | Elective –V | 4 | - | 4 | 40 | 60 | 100 |
| | Elective –VI | 4 | - | 4 | 40 | 60 | 100 |
| | Project | - | 12 | 16 | 50 | 150 | 200 |
| | Total | 28 | - | 28 | 170 | 330 | 500 |

| ELECTIVE – I | | ELECTIVE – II | |
|--------------|--|---------------|-----------------------------------|
| Code | Subject | Code | Subject |
| C1021 | Consumer Behavior and Customer Relationship Management | C1025 | Services Marketing |
| C1022 | Security Analysis and Portfolio Management | C1026 | Financial Institutions and Market |
| C1023 | Recruitment and Selection | C1027 | Training and Development |
| C1024 | Business Intelligence | C1028 | Enterprise Resource Management |

| ELECTIVE - III | | ELECTIVE – IV | |
|----------------|---------------------------------------|---------------|---|
| Code | Subject | Code | Subject |
| C1029 | Retail Management | C1033 | International Marketing |
| C1030 | Cost and Management Accounting | C1034 | Strategic Investment and Financing Decision |
| C1031 | Performance Management | C1035 | Management of Industrial Relations |
| C1032 | Information System, Control and Audit | C1036 | Decision Support System |

| ELECTIVE - V | | ELECTIVE - VI | |
|--------------|------------------------------------|---------------|-------------------------------------|
| Code | Subject | Code | Subject |
| C1037 | Sales and Distribution Management | C1041 | Integrated Marketing Communications |
| C1038 | International Financial Management | C1042 | Banking and Insurance |
| C1039 | Compensation and Reward Management | C1043 | Management of Change |
| C1040 | Data Mining and Data Warehousing | C1044 | E- Commerce |

| Members Present | | | |
|-----------------|-------------------------|-------------------------|----------------|
| 1 | Mrs.K.Jaahnavi | Chairperson | Jaahnavi |
| 2 | Prof. A.R.Aryasri | JNTUH Nominee | Yho |
| 3 | Prof. P.Indrasena reddy | Member (Subject Expert) | Indrasena |
| 4 | Prof. M.Ravindar Reddy | Member (Subject Expert) | Ravindar |
| 5 | Dr.P.Nagaraju | Member (Subject Expert) | Nagaraju |
| 6 | Mr.Praveen Gaidhane | Member(Industry Expert) | - Absent - |
| 7 | Mr.G.Ramesh | Member | G. Ramesh |
| 8 | Mr.K.Santosh Kumar | Member | Santosh |
| 9 | Mr.R.D.Praveen Kumar | Member (Alumni) | Praveen |

VARDHAMAN COLLEGE OF ENGINEERING

(Autonomous)

Shamshabad – 501 218, Hyderabad

DEPARTMENT OF MASTER OF BUSINESS ADMINISTRATION (MBA)

MINUTES OF

FIRST BOARD OF STUDIES MEETING IN MBA HELD ON 17TH SEPTEMBER, 2011

Prof. N. Venkata Rao, Chairman of Board of studies in MBA of Vardhaman College of Engineering (Autonomous), Hyderabad Presided over the meeting all the internal members and 4 out of 5 External members present. Dr. Muralikrishna is absent.

Members

| | | |
|---|-----------------------|-----------------|
| 1 | Sri N. Venkat Rao | Chairman |
| 2 | Dr. A. R. Aryasri | JNTUH Nominee |
| 3 | Dr. P. Murali Krishna | Subject Expert |
| 4 | Dr. A. Sudhakar | Subject Expert |
| 5 | Dr. K. S. Rao | Industry Expert |
| 6 | Mr. G. Ramesh | Member |
| 7 | Dr. P. Naga Raju | Member |
| 8 | Ms. S. Kasi Ratnam | Member |
| 9 | Mr. K. Tanmie | Alumni |

The Chairman welcomed all the members present for the first BOS meeting of Management Studies. The Chairman also thanked the members for attending first BOS meeting of MBA

1. To approve and ratify the Academic Regulations and rules for Two year MBA program, Regulation-R11

The chairman of the board proposed the academic regulations for two year MBA program and placed the same for discussion. He urged the members for the approval.

Resolution: The members discussed at length and suggested few changes and unanimously approved the regulations- R11 after making the necessary changes suggested by the members as furnished in Annexure - I.

2. **Finalization of course structure for the MBA program and syllabus for course and placed the same for discussion.**

Course structure of MBA was presented by the chairman BOS-MBA, proposed subject of I, II, III and IV MBA in semester pattern, scheme of instruction, marks credits and elective subjects were discussed. Introduction of seminar / report writing for all semesters were discussed and considered appropriate. **He urged the members for the approval**

Resolution: The members discussed at length and suggested few changes in the course structure unanimously approved the course structure after making the necessary changes suggested by the members as furnished in Annexure - II.

3. **Syllabus of I and II semester subjects for MBA**

Chairman, BOS – MBA proposed the syllabi for I and II semester subjects and placed the same for discussion. He requested the members for the approval.

Resolution: The members discussed at length and suggested few changes in the syllabus content and unanimously approved in the syllabus after making the necessary changes suggested by the members as furnished in Annexure - III.

4. **Panel of Examiners for question paper setting for the courses in I and II semester MBA.**

The panel of examiners for question paper setting for I and II semester proposed by the chairman BOS-MBA for MBA program are approved as furnished in Annexure - IV

5. After the perusal of model question papers submitted by the chairman BOS - MBA for the program MBA, it is **RESOLVED** to adopt the same.

6. **Any other item:**





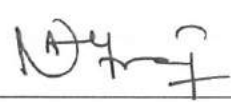
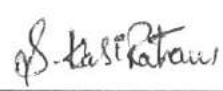

a) III and IV MBA Syllabi:


The members requested chairman BOS –MBA to prepare detailed syllabi for III and IV semester of MBA subjects including elective subjects with the help of internal members.

- b) Send the draft syllabi to all the external members obtain and incorporate the suggestions received.

Members resolved to finalize the syllabi of III and IV semester subjects and elective subjects next meeting of BOS.

The meeting concluded with thanks to chair.

| | | | |
|---|-----------------------|-----------------|--|
| 1 | Sri N. Venkat Rao | Chairman |  |
| 2 | Dr. A. R. Aryasri | JNTUH Nominee |  |
| 3 | Dr. P. Murali Krishna | Subject Expert | — Absent — |
| 4 | Dr. A. Sudhakar | Subject Expert | — Absent — |
| 5 | Dr. K. S. Rao | Industry Expert |  |
| 6 | Mr. G. Ramesh | Member |  |
| 7 | Dr. P. Naga Raju | Member |  |
| 8 | Ms. S. Kasi Ratnam | Member |  |
| 9 | Mr. K. Tanmie | Alumni |  |


N. Venkat Rao
Chairman, BOS - MBA