MALLA REDDY ENGINEERING COLLEGE (Autonomous)

Maisammaguda, Dhulapally (Post via Kompally), Secunderabad-500 100.

Department of Electronics and Communication Engineering

14/04/2015

AGENDA

1 Finalization of Schema & Syllabus for B.Tech Course for the Academic Year 2015-16

2 Finalization of Schema & Syllabus for M.Tech(DSCE), M.Tech(VLSI System Design) and M.Tech(ES) Courses for the Academic Year 2015-16.

3 Identification of Examiners and Valuators list.

4 Finalization of one common subject for Non ECE Branch Students as Elective.

5 Any other point

BoS Chairman-ECE

Malla Reddy Engineering College

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(Sponsored by CMR Educational Society)
Approved by AICTE & Affiliated to JNTUH

Dr. S. SUDHAKARA REDDY
M.Tech., M.B.A., Ph.D., LMISTE., M.I.E., M.I.S.M.E.
Principal

Date: 31-03-2015

ANNEXURE – IV

Reconstituted Board of Studies (BOS) – ECE (2015-16)

S. No	Name	Position	Designation in BOS	Subject Specialization	Contact Number	Status
1	Dr. S. Sudhakara Reddy	Principal	Special Invitee	Production Engineering	9348161125	Existing
2	Dr. M. Ch. P. Jagdissh	Professor & Head, Dept of ECE	Chairman, BOS	Digital Signal Processing	8019914846	Existing
3	Dr. Kesavan Gopal	Professor	Member	VLSI	9000368726	New
4	Mr. P. Ashok Babu	Assoc. Prof.	Member	Communications & Image Processing	9848898290	Existing
5	Mrs. P. S. Indrani	Assoc. Prof.	Member	DSCE	9490224344	Existing
6	Mr. B. Srinivas	Assoc. Prof.	Member	VLSI & Embedded Systems	9966764588	New
7	Dr. N. S. Murthy	Dean & Professor Dept of ECE – NIT Warangal &	Subject Expert	VLSI & Signal Processing	08702459234	Existing
8	Dr. K. Jaya Sankar	Profesor & Head, Dept. of ECE, Vasavi Engineering College,Hyderabad	Subject Expert	Communication Engineering	9440162196	New
9	Dr. D. Srinivasa Rao	Professor & BOS Chairman -ECE-JNTUHCEH	Nominee of JNTUHCEH	Communication Engineering	9441189228	Existing
10	Mr. K. Srinivasa Raju	CEO, Unistring tech Solutions (Pvt) Ltd, Hyderabad & Industry Expert	Industry Expert	Embedded Processor Design & MEMS	9441016006	Existing
11	Ms. P. Vasanthi	Deputy Engineer, BEL, Banglore	Alumni Member	Microwave & Radar	09740123084	New

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MALLA REDDY ENGINEERING COLLEGE
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DEPARTMENT OF ELECTRONICS AND COMMUNICATIONS ENGINEERING

The BOS meeting is held on 14/04/2015 and the following members have attended for finalization of Schema and Syllabus for both B.Tech and M.Tech.

S. No.	Name of the Member	Designation & Official Address	Signature
1	Dr. S. Sudhakara Reddy	Principal & Constituted BoS	
2	Dr. M. Ch. P. Jagdissh	Chairman- BoS Professor & HOD-ECE	
3	Dr. D. Srinivasa Rao	Professor & BOS Chairman - ECE- JNTUHCEH	14/4/15
4	Dr. N. S. Murthy	Dean & Professor of ECE– NIT Warangal	14/4/15
5	Mr.K.Srinivasa Raju	CEO,Unistring Tech Solutions(pvt) Ltd, Hyderabad & Industry Expert	(A)
6	Dr. K. Jaya Sankar	Profesor & Head, Dept. of ECE, Vasavi Engineering College,Hyderabad	14/4/15
7	Dr.Kesavan Gopal	Professor, ECE Department, MREC	
8	Mr. P.Ashok Babu	Assoc. Professor, ECE Department, MREC	
9	Mrs.P.S.Indrani	Assoc. Professor, ECE Department, MREC	
10	Mr.B.Srinivas	Assoc. Professor, ECE Department, MREC	
11	Ms.P.Vasanthi	MREC Alumni Presently Deputy Engineer, BEL, Banglore	(A)

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DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

MINUTES OF BOS MEETING HELD ON 14TH April 2015 IN ECE DEPARTMENT

1. The Structure and Syllabus for B.Tech MR15 batch have been approved with the following suggestions

Year	Semester	Name of the Subject	Modifications Suggested
II	I	Electronic Circuit Analysis	"Small stage amplifiers" topic is added.
II	I	Signal and Systems	Unit-III and Unit –IV are interchanged and the syllabus of "Fourier series" topic is to be reduced. Introduction to Signal Unit is added
II	I	Probability Theory And Random Processes	New unit introduced: Unit V- Linear System with random Input.
II	I	Basic Simulation lab	Simple circuit simulation experiments using NSPICE are to be introduced.
II	II	Pulse and Digital Circuits	"RTL, DCTL, DTL" topics are to be removed.
II	II	NW & TL	EMTL subject is divided into two separate subjects namely EM Theory and Networks & transmission Lines. Network Topology from EC is to be included as one Unit Network Functions and Filters & Symmetrical Attenuators from PEE are to be included as Two Units. Two Units from EMTL i.e Transmission Lines are to be included as Two Units.
II	II	PDC Lab	New programs are added 1 HDL Code to Realize all the logic gates 2 Design of 2 to 4 Decoder 3 Design of 8 to 1 multiplexer & 1*8 Demultiplexer 4 Design of flip flops: SR,D,JK,T
II	II	EM Theory	Three Units from EMTL are to be arranged as Five Units in EM Theory.
III	I	LICA	LDICA Subject is divided into two separate subjects namely LICA and DICA.
III	I	DICA	The concepts of verilog in DDUV are to be added. Basics of FPGA's are to be added in DICA.
III	II	Digital Signal Processors	DSP Processor topic is added in V Unit
IV	I	DIP	DIP is to be replaced by Digital Image & Video Processing in Elective-I.

IV	I	CTT	TVE is to be replaced by CTT in Elective-II.
IV	II	Speech Signal Processing.	ANN subject is to be replaced by Speech Signal Processing in Elective-III
IV	II	Ad-Hoc Wireless Sensor Networks	Instead of Multimedia and Signal Coding subject Ad-Hoc Wireless Sensor Networks is to be added in Elective-I

2. The structure and syllabus for M. Tech DSCE, M.Tech VLSI System Design & M.Tech ES have been approved with few modifications as follows .

   The syllabus for M. Tech subject "VLSI Technology and Design" is modified.

3 After formulation of scheme of Instructions, the BOS members has reviewed and approved New courses , the following subjects are introduced for the academic year 2015-16 (MR 15).

Elementary Calculus and Transforms
Special Functions and Complex Analysis
Microprocessor and Interfacing
Technical Communication and Presentation Skills
Microprocessor and Interfacing Lab
Technical Communication and Presentation Skills Lab
Engineering Economics And Accountancy
Engineering Economics and Accountancy
Microcontrollers and Embedded Systems
Microcontrollers Lab
Soft Skills
Advanced Microcontrollers
Hardware Software Co-Design
Advanced Digital Signal Processing
Introduction to Nano Science and Nano Technology
Design For Testability
Digital Signal Processors and Architectures
Low Power VLSI Design
Entrepreneurship Skills
Foreign Language /Fine Arts

4 .Open elective subject " Principles of Communication Engineering " is introduced for non ECE branch Students.

5 All the BOS members have unanimously approved the department programme specific outcomes (PSOs), which are given below.

PSO I : (Engineering Knowledge and Analyzing Skills): Understand the basics of Electronics and Communications and will be able to apply them in analyzing problems related to Electronics, Communications, Signal processing, VLSI, Embedded systems, etc.

PSO II: (Problem Solving and System Design Skills): Solve any problem related to Electronics and Communication Engineering with the help of latest software and specialized hardware. They will also be able to design a working prototype of the solution.

PSO III: (Application of Knowledge in Solving Society/ Environment Problems): Will be able to apply the knowledge of Electronics and Communication Engineering and design projects for the betterment of people's life (health, security, resource management, etc.) in society and to maintain ecological balance

Chairman-BOS

Professor & HOD-ECE

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Department of Mathematics

October 17th, 2015

The Board of studies meeting for the UG – B.Tech.(Mathematics) & M.Tech programmes - BOS is conducted 17.10.2015 at 10:00 AM in the conference hall, Malla Reddy Engineering College (Autonomous),

The following is the agenda for the meeting:

1. Discussion and approval of the scheme and Syllabus of Mathematics papers B. Tech & M.Tech programmes of MR15 Regulations (for Batches starting from Academic Year 2015-16onwards).
2. Discussion and approval of the syllabus for offering subjects and Open Electives to other Departments.
3. Suggestion and approval of panel for Paper setters and Valuators.
4. Delegation of power to the Chairman, BOS for inclusion and exclusion of any item as per the requirements.
5. Approval of any other item with the permission of the Chairman.

K. Sharath Babu

Chairman, Mathematics - BOS

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Department of Mathematics

17th October, 2015.

Minutes of Board of Studies for Mathematics

The meeting of Board of Studies for Mathematics is convened on 17th October, 2015 at 11:30am in the Conference hall. The following members were present.

S.No.	Name of the Member	Designation	Designation in the BOS	Signature
1	Dr. S. Sudhakara Reddy	Principal	Special Invitee	
2	Dr. K. Sharath Babu	Professor	Chairman BOS	17/10/15
3	Dr. V. V. Haragopal	Professor, Dept. of Statistics, Osmania University	Subject Expert	17/10/2015
4	Dr. Bala subramaniam J	Asst. Professor, Dept. of Mathematics, IIT, Hyderabad	Subject Expert	ABSENT
5	Dr. B S Lakshmi	Asst. Professor of Dept. of Mathematics, JNTUH, Hyderabad	University Nominee	17/10/2015
6	Dr. R Kedarnath	Software Engineer, SNPIQ, Hitech City, Hyderabad	Industry Nominee	17/10/15
7	Mr. P. Kalyan Kumar	Assoc.Prof	Member	
8	Mr. Y. Suresh Kumar	Asst. Prof.	Member	

The agenda of the meeting was:

1. Approval of the scheme of instruction of Mathematics for B.Tech & M.Tech 2015-16 batch
2. Consideration and approval of the syllabus of
   i. Engineering Mathematics for First year B.Tech (Common to All Branches) first semester – MR15 Regulations

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ii. Computational Mathematics for First year B.Tech (Common to All Branches except ECE &EEE) second semester– MR15 Regulations

iii. Elementary calculus & Transforms for Second year B.Tech in first semester for EEE, ECE CE, ME &MINING - MR15 Regulations.

iv. Probability& Statistics for Second year B.Tech in second semester for CE, ME & MINING - MR15 Regulations.

v. Special Functions & Complex Analysis for Second year B.Tech Second Semester for EEE& ECE – MR15 Regulations

vi. Optimization Techniques for Fourth year B.Tech in first semester for EEE - MR 15 Regulations

vii. Computer Oriented Numerical Methods for first semester M.Tech (Structural Engg.) - MR 15 Regulations

viii. Advanced Optimization Techniques in Structural Engineering for first semester M. Tech (Structural Engg.) - MR 15 Regulations

ix. Statistics for Engineers for first semester M.Tech (Geo-Technical Engineering).

3. Proposal/deciding the panel of examiners for paper setting and evaluation.

The following Resolutions are made in the syllabus:

1. Resolved to split each Module as Module I-A and Module I-B keeping in view of internal examination pattern wherever possible.
2. Resolved to add orthogonal matrix, Quadratic form Similarity Transformation, Orthogonal Transformation and Principle axis in Engineering Mathematics.
3. Introduced a text book "Introduction to Matrix Analysis by Richard Bellman, Dover Publications" for Mathematics - I
4. Introduced a text book " Differential Equations by Shepley L. Ross, Wiley Publications" for Engineering Mathematics
5. Resolved to introduce the Computational Mathematics lab in I year II semester common to all branches except ECE &EEE.
6. Resolved to run the Computational Lab by C language / MATLAB.
7. Resolve to introduce Weibull distribution, Beta and Gamma in Probability & Statistics.
8. Resolved to change the Course Title as Applied Statistics instead of Statistics for Engineers for Second B.Tech first semester

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9. Resolved to change the course Title Elementary Calculus & Transforms instead of Transform calculus in Second Year I semester.
10. Resolved to add introduction to Factorial design- 2^2 and 2^n in Applicable statistics for engineers in Module -II
11. Resolved to add D-charts and simple and double sampling plans, in Applicable statistics for engineers in Module –IV.
12. Resolved to remove simple randomized design in Applicable statistics for engineers in Module-II.
13. Resolved to add FRT, TRT, and Circular Test in Module-V in Applicable statistics for engineers.
14. Resolved to introduce the 3open elective papers in B.tech course.
15. The suggested titles for open elective are
    i. Advanced optimization techniques,
    ii Mathematical modeling
    iii. Differential equations and Dynamical systems.

K. Chandrabhan

Chairman

BOS – Mathematics

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Department of Mathematics

17-10-2015

Board of Studies meeting held on 17-10-2015 at 10:30 AM

The Board of Studies meeting for the Department of Mathematics is convened on 17-10-2015 at 10:30 AM in the conference hall, Mall Reddy Engineering College (Autonomous), Hyderabad.

Action Taken Report (ATR) on BoS Meeting in AY 2015-16

The previous Board of studies meeting in AY 2015-16 was held on dt: 17-10-2015. The following are the resolutions made in the meeting and corresponding actions taken are as follows

Resolution 1: It is recommended to split each Module as Module I-A and Module I-B keeping in view of internal examination pattern wherever possible.

Action Taken: The revised scheme of instructions is implemented as MR15 regulations B.Tech. course schema of instructions and is implement from the academic year 2015-16 onwards.

Resolution 2: It is also recommended to add orthogonal matrix, Quadratic form Similarity Transformation, Orthogonal Transformation and Principle axis in Engineering Mathematics.

Action Taken: The revised syllabus is added orthogonal matrix, Quadratic form similarity transformation orthogonal transformation and Principle axis in Engineering Mathematics and new topics is implementing from the academic year 2015-16 onwards.

Resolution 3: Introduced a text book "Introduction to Matrix Analysis by Richard Bellman, Dover Publications" and "Differential Equations by Shepley L Ross, Wiley Publications" for Engineering Mathematics.

Action Taken: The New text books added in references of Engineering Mathematics

Resolution 4: Revised to introduce the Computational Mathematics lab in I year II semester common to all branches except ECE & EEE

Action Taken: Approved to introduce the Computational Mathematics lab in I year II semester common to all branches except ECE & EEE.

Resolution 5: Resolved to run the Computational Lab by C language / MATLAB.

Action Taken: Approved to run the Computational Lab by C language / MATLAB.

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Department of Physics

17-10-2015

Board of Studies meeting held on 17.10.2015 at 10:30 AM

The Board of Studies meeting for the Department of Physics is convened on 17.10.2015 at 10:30 AM in the conference hall, Mall Reddy Engineering College (Autonomous), Hyderabad.

The Agenda of the meeting is as follows.

AGENDA

1. Action Taken Report (ATR) on previous BoS Meeting held on 11-05-2014.
2. Discussion and review of Physics subjects of B. Tech. MR14 regulations course schema and syllabus.
3. Suggestion and review of panel for Paper setters, and examiners for examinations.
4. Suggest methodologies for innovative teaching and evaluation techniques.
5. Suggestion of any activity related to research, teaching, extension and other academic activities in the department/college.
6. Delegation of power to the Chairman-BOS based on recommendations of the internal committee, for the inclusion and exclusion of any item as per requirements.
7. Approval of any other item with the permission of the Chairman.

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DEPARTMENT OF H & S (Physics)

The following members attended the BOS meeting held on 17th October 2015 to discuss and finalize the syllabi of Physics for B. Tech courses.

S. No	Name	Position	Designation in BOS	Signature
1	Dr. S. Sudhakara Reddy,	Principal, MREC	Special invitee	
2	Dr. V Dhanunjana Chari	Assoc. Professor & HOD, Dept of Physics	Chairman, BOS	V. Dhanunjana 17/10/15
3	Prof. S Chandralingam,	Professor, Dept of Physics, JNTUH, Kukatpally, Hyderabad	University nominee	17/X/15
4	Prof. Ravindharan Ethiraj,	Professor (Retd), Dept of Physics, Osmania University, Hyderabad	Subject expert	
5	Dr. Ramesh Somoju,	Asst. Professor in Physics, GITAM University, Hyderabad	Subject expert	
6	Dr. M Srce Ramana,	Scientist - E, RCI, Hyderabad	Industry nominee	Srce Ramana
7	Kesava Vamsi Krishna V.	Assoc. Professor	Member	Vamsi
8	B V Ramana Reddy	Asst. Professor	Member	
9	T Vijay Kumar	Asst. Professor	Member	
10	Dr. T Anil Babu	Asst. Professor	Member	

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DEPARTMENT OF H & S (Physics)

The following members attended the BOS meeting held on 17th October 2015 to discuss and finalize the syllabi of Physics for B. Tech courses.

S. No	Name	Position	Designation in BOS	Signature
1	Dr. S. Sudhakara Reddy,	Principal, MREC	Special invitee	
2	Dr. V Dhanunjana Chari	Assoc. Professor & HOD, Dept of Physics	Chairman, BOS	
3	Prof. S Chandralingam,	Professor, Dept of Physics, JNTUH, Kukatpally, Hyderabad	University nominee	
4	Prof. Ravindharan Ethiraj,	Professor (Retd), Dept of Physics, Osmania University, Hyderabad	Subject expert	
5	Dr. Ramesh Somoju,	Asst. Professor in Physics, GITAM University, Hyderabad	Subject expert	
6	Dr. M Sree Ramana,	Scientist - E, RCI, Hyderabad	Industry nominee	
7	Kesava Vamsi Krishna V,	Assoc. Professor	Member	
8	B V Ramana Reddy	Asst. Professor	Member	
9	T Vijay Kumar	Asst. Professor	Member	
10	Dr. T Anil Babu	Asst. Professor	Member	

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October 17, 2015

Board of Studies – Physics
Minutes of the meeting

1. The Chairman of the BoS – Physics, Dr. Dhanunjana Chari welcomed all the members to the BoS meeting.
2. The following resolutions are made in the meeting:
   i. The members advised to include the concepts of temporal and spatial coherence along with the concept of Diffraction and diffraction grating as monochromator in Module – I: Optics in Applied Physics – I course.
   ii. Also they advised to include the concepts of absorption coefficient and its determination in Module – III: Acoustics and Ultrasonics
   iii. The concepts of superposition of two linear SHMS (with same frequencies), Lissajous figures and logarithmic decrement are advised to be appended in Module – IV Waves and vibrations
   iv. Why an electron cannot exist in the nucleus – topic is suggested as an application of Heisenberg's uncertainty principle in Module – II Quantum mechanics in Applied Physics – II
   v. Continuity equation and related concepts, LED, LCD concepts are advised in Module III B: Semiconductor physics
   vi. Carbon nano tubes – properties and applications topic is suggested in Module – IV: Physics of Nanomaterials
3. The members approved the syllabi for three open electives titled – Advanced Physics for Engineers, Nano materials and NDT & Vacuum Technology.

V. D...

Chairman, BoS – Physics

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Department of Physics

Action Taken Report (ATR)

17th Oct., 2015

The previous Board of studies meeting in AY 2014-15 was held on dt: 11th May 2014. The following are the resolutions made in the meeting and corresponding actions taken are as follows.

Resolution 1: The schema for Engineering Physics – I (Theory), Engineering Physics – II (Theory) and Engineering Physics (practical) as proposed by the Boards of studies of the core departments is approved.

Action Taken: Action taken accordingly as recommended by the BOS.

Resolution 2: Engineering Physics – I is prescribed for the students of I B.Tech of all branches in the I semester. Syllabus comprising of seven chapters grouped into five units has been recommended.

Action Taken: Action taken accordingly as recommended by the BOS.

Resolution 3: Unit – I comprises of two chapters titled Crystallography and crystal structures and Defects in crystals.

Action Taken: The Unit-I changed as per BoS recommendation.

Resolution 4: Unit – II comprises of one chapter titled Oscillations.

Action Taken: Unit – II comprised of one chapter titled Oscillations

Resolution 5: Unit – IV comprises of a chapter called 'Semiconductor physics' in which topics like formation of p-n junction diode, forward and reverse bias, I – V characteristics, and Zener and avalanche breakdown are added.

Action Taken: Action taken accordingly as recommended by the BOS.

Resolution 6: Engineering Physics – II is prescribed for the students of I B.Tech of all branches in the II semester. Syllabus comprising of seven chapters grouped into five units has been recommended.

Action Taken: Action taken accordingly as recommended by the BOS.

Resolution 7: Unit – I comprises of the chapter titled Optics. Members on the Board advised to demonstrate Nicol's prism while discussing that topic in this chapter.

Action Taken: Unit – I comprised of the chapter titled Optics

Resolution 8: A new topic called Bragg's spectrometer is added to the syllabus in this chapter.

Action Taken: Bragg's spectrometer is added to the syllabus as per BoS Recommendation

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Resolution 9: Unit – II comprises of the chapter titled LASER.

Action Taken: Unit – II comprised of the chapter titled LASER.

Resolution 10: Unit – III comprises of two chapters titled Dielectric properties and Superconductivity.

Action Taken: Unit – III comprised of two chapters titled Dielectric properties and Superconductivity as per BoS Recommendation.

Resolution 11: Unit – IV comprises of two chapters titled Nano technology and Fiber optics.

Action Taken: Unit – IV comprised of two chapters titled Nano technology and Fiber optics.

Resolution 12: Physical vapor deposition method of synthesizing nano materials is introduced in the chapter Nano technology.

Action Taken: The above method is introduced in the Nano Technology Chapter

Chairman – BOS

(Dr. V. Dhanunjana Chari)

Principal
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Department of Chemistry

13-10-2015

Board of Studies meeting on 13.10.2015 at 10:00 AM

The Board of Studies meeting for the Department of Chemistry is convened on 13.10.2015 at 10:00 AM in the conference hall, Mall Reddy Engineering College (Autonomous), Hyderabad.

The Agenda of the meeting is as follows.

AGENDA

1. To prepare syllabi for various courses keeping in view the objectives of the college, interest of the stake holders and national requirement for consideration and approval of the academic council.
2. To suggest methodologies for innovative teaching and evaluation techniques.
3. To suggest panel of names to the academic council for appointment of examiners and valuers of answer scripts.
4. To coordinate research ,teaching, extension and other academic activities in the department /college.

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Dr. M Tirumalachary
University Nominee

Dr. B. Rama Devi
Subject Expert

Prof. P Veeraiomaiah
Subject Expert

Dr. P. Sambasiva Reddy
Industry Nominee

Dr. S. Konda Reddy
Member

Dr. K. Suresh Babu
Member

Dr.Geetha Rani .D.P
Member

Mr. Nilambesh
Member

Dr. S. Sudhakara Reddy
Principal

Dr. G.Saidulu
Chairman,BOS-Chemistry

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Department of Chemistry

Minutes of the meeting of BOS of chemistry 2015-16

The meeting of board of studies for chemistry is convened on 13th Oct, 2015 from 10:00AM to 1:00 PM in placement cell. The following members were present.

S.No	Name & Designation	Designation in a Board	Signature
1.	Dr.S.Sudhakara Reddy, Principal, MREC.	Special Invitee	
2.	Dr Saidulu, HOD, Dept of Chemistry. MREC.	Chairman	
3.	Dr S.Kondaiah, Professor, Dept of Chemistry. MREC.	Member	
4.	Dr.K.Suresh Babu, Professor, Dept of Chemistry, MREC.	Member	
5.	Dr.Geetha Rani .D.P, Assoc. Professor of Chemistry, MREC.	Member	
6.	Mr.T.Ramesh, Assist. Professor of Chemistry MREC.	Member	
7.	Dr. M.Thirumala Chary, Professor of Chemistry , JNTUH	University Nominee	
8.	Prof.P. Veerasomaiah, Dept of Chemistry, Osmania University	Subject Expert	
9.	Prof.B.Rama devi, Head,Dept of Chemistry,JNTUH	Subject Expert	13/10/15
10.	Dr P.SambashivaReddy, Managing Director, Alta Vista Phyto Chemicals Pvt Ltd,Hyd.	Industry Nominee	

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DEPARTMENT OF CHEMISTRY

Oct 13th, 2015

The following resolutions are made in the meeting:

1. The scheme for Applied Chemistry (Theory and practical) as proposed by the Boards of Studies of the core departments is approved.

2. It has been decided to frame five units for Applied Chemistry (Theory). Based on these five units, first two and half units are selected for 1st mid term and last two and half units are selected for 2nd mid term examinations.

3. Module-1 Water, is used to study the nature of the water and purification of raw water by different methods. Further, to explore the economically viable technologies developed for utilizing water resources and recycle them.

4. Module-2 Electrochemistry helps the students to gain knowledge in Galvanic cell, Electro Chemical batteries and Fuel cells.

5. Corrosion and its control are very essential to prepare & protect Engineering materials like metals.

6. In Module-3, Composites is replaced by elastomers, biodegradable polymers and fibre reinforced polymers as suggested by the BOS committee members.

7. In Module-4, Fuels and Combustion, the concept of Biodiesel and its advantages has been introduced.

8. In module-5 Biochemistry is retained with only blo sensors and bio-surfactants. 'Composites' has been included in this module. Emphasis has been given to ultrasonic and micro wave assisted reactions in Green Chemistry part of the same module.

9. During the discussion, Dr. M.Thirumala chary, University nominee and Prof. B. Rama Devi, subject expert suggested to include few reputed text books for Applied Chemistry.

10. It has been decided to have twelve experiments in laboratory syllabus out of which ten experiments are compulsory. It is common to all branches of Engineering.

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11. In the Laboratory the students are exposed to various experimental skills which are very essential. The experiments are selected from various areas of chemistry like Titrimetry, conductometry, potentiometry, material properties and polymer preparations. Also the student is exposed to various Instruments and tools like potentiometer, conductometer, colorimeter, pH meter, Oswald s viscometer and stalgmometer.

12. In the Applied Chemistry lab syllabus, it is suggested to replace the experiment 'Saponification value of a given sample' by 'Surface tension of liquids'. The 'surface tension experiment' is relevant to engineering students rather than 'Saponification experiment'.

13. In the 'Environmental sciences' paper, much changes are not suggested on par with the proposed syllabus. Only slight changes are instructed which are as below.

14. In module-1, the concept of 'Flow of Energy' is removed.

15. In module-2, the title is retained to 'Natural resources and Biodiversity'.

16. In the proposed elective paper-1, 'Chemistry of Engineering Materials' the following changes are suggested.

17. In module-1, the title is retained to "Phase rule and alloys. The industrially important metals- Nickel, chromium, titanium, vanadium, tungsten, zirconium, uranium, and thorium have been removed.

18. In the module-3, the methods of manufacturing and properties of cement has been removed and chemical reactions involved in setting and hardening of cement is included.

19. In the proposed elective paper-2, the paper title is changed to changed to 'Nano Chemistry'.

20. In the module-3, it is suggested to include the principles involved in all the characterization techniques.

21. In the module-4, a small concept 'organic-nano solar cells and its applications' has been included.

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22. In the module 5, 'Introduction to environmental applications' has been removed.

23. In the proposed elective paper 1, Photochemistry and Spectroscopy, some changes are suggested as below

24. In module 2, Jablonski diagram is included.

25. In the module-3, Evaluation methods of Interferences have been removed. In UV-Visible spectroscopy, principles and application for qualitative and quantitative analysis is included.

26. In the module-4, Raman spectroscopy is removed completely.

27. In the module-5, the module structure is reshuffled as Introduction, basic principles, Instrumentation. Minor changes like coupling constant in included and spin tickling is removed.

28. The model paper and Panel of examiners list was prepared and approved by the BOS members.

29. It has been advised to give strict instructions to paper setters along with approved model paper.

Chairman, BOS – Chemistry,

(Dr. S. Saidulu)

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Dr. M Tirumalachary
University Nominee

13/10/15
Dr. B. Rama Devi
Subject Expert

Prof. P.Veerasomaiah
Subject Expert

Dr. P. Sambasiva Reddy
Industry Nominee

Dr. S. Konda Reddy
Member

Dr. K. Suresh Babu
Member

Dr.Geetha Rani .D.P
Member

Mr.T.Ramesh
Member

Dr. S. Sudhakara Reddy
Principal

Dr. G.Saidulu
Chairman,BOS-Chemistry

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15-16 Amendments

MALLA REDDY ENGINEERING COLLEGE

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Department of Chemistry

13-10-2015

Board of Studies meeting on 13-10-2015 at 10:00 AM

The Board of Studies meeting for the Department of Chemistry is convened on 13-10-2015at 10:00 AM in the conference hall, Malla Reddy Engineering College (Autonomous), Hyderabad.

Action Taken Report (ATR) on previous BoS Meeting in AY 2015-16

The previous Board of studies meeting in AY 2014-15 was held on dt: 6th May 2014. The following are the resolutions made in the meeting and corresponding action taken are as follows

Resolution 1: The scheme for Applied Chemistry (Theory and practical) was proposed by the Boards of Studies of the core departments is approved.

Action Taken: As per BOS committee members the proposed scheme will be Implementing from 2016-17 onwards.

Resolution 2 :It has been decided to frame five units for Applied Chemistry (Theory). Based on these five units, first two and half units are selected for 1st mid term and last two and half units are selected for 2nd mid term examinations.

Action Taken: As per BOS committee members the changes will be Implementing from 2016-17 onwards.

Resolution 3: Module-1 Water, is used to study the nature of the water and purification of raw water by different methods. Further, to explore the economically viable technologies developed for utilizing water resources and recycle them.

Action Taken: will be Implementing from 2016-17 onwards.

Resolution 4: Module-2 Electrochemistry helps the students to gain knowledge in Galvanic cell, Electro Chemical batteries and Fuel cells.

Action Taken: As per BOS committee members Electrochemistry contents will be Implementing from 2016-17 onwards.

Resolution 5:Corrosion and its control are very essential to prepare & protect Engineering materials like metals.

Action Taken: As per BOS committee members Corrosion and its control contents will be Implementing from 2016-17 onwards.

Resolution 6:In Module-3, Composites is replaced by elastomers, biodegradable polymers and fibre reinforced polymers as suggested by the BOS committee members.

Action Taken: As per BOS committee members suggestions the above changes will be Implementing from 2016-17 onwards.

Resolution 7: In Module-4, Fuels and Combustion, the concept of Biodiesel and its advantages has been introduced.

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Action Taken: As per BOS committee members suggestions the above changes will be Implementing from 2016-17 onwards.

Resolution 8:In module-5 Biochemistry is retained with only bio sensors and bio-surfactants. 'Composites' has been included in this module. Emphasis has been given to ultrasonic and micro wave assisted reactions in Green Chemistry part of the same module.
Action Taken: Changes will be implementing from 2016-17 onwards.

Resolution 9:During the discussion, Dr. M.Thirumala chary, University nominee and Prof. B. Rama Devi, subject expert suggested to include few reputed text books for Applied Chemistry.
Action Taken: Prescribed text books will be included from 2016-17 onwards:

Resolution 10:It has been decided to have twelve experiments in laboratory syllabus out of which ten experiments are compulsory. It is common to all branches of Engineering.
Action Taken: Members suggestions will be followed from 2016-17 onwards.

Resolution 11: In the Applied Chemistry lab syllabus, it is suggested to replace the experiment 'Saponification value of a given sample' by 'Surface tension of liquids'. The 'surface tension experiment' is relevant to engineering students rather than 'Saponification experiment'.
Action Taken: Changes will be implementing

Resolution 12: In the 'Environmental sciences' paper, much changes are not suggested on par with the proposed syllabus.
Action Taken: Follow the suggestions offered by BOS members.

Resolution 13: In module-1, the concept of 'Flow of Energy' is removed.
Action Taken: Changes will be followed from 2016-17 onwards.

Resolution 14:In module-2, the title is retained to 'Natural resources and Biodiversity'.
Action Taken: Changes will be followed from 2016-17 onwards.

Resolution 15: In module-1, the title is retained to "Phase rule and alloys. The industrially important metals-Nickel, chromium, titanium, vanadium, tungsten, zirconium, uranium, and thorium have been removed.
Action Taken: Changes will be followed from 2016-17 onwards.

Resolution 16: In the module-3, the methods of manufacturing and properties of cement has been removed and chemical reactions involved in setting and hardening of cement is included.
Action Taken: Changes will be followed from 2016-17 onwards.

Resolution 17: In the proposed elective paper-2, the paper title is changed to changed to 'Nano Chemistry'.
Action Taken: Changes will be followed from 2016-17 onwards.

Resolution 18: In the module-3, it is suggested to include the principles involved in all the characterization techniques.
Action Taken: Changes will be followed from 2016-17 onwards.

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Resolution 19: As per BOS committee members suggestions the above changes will be Implementing from 2016-17 onwards.

Action Taken: Changes will be followed from 2016-17 onwards.

Resolution 20: In the module-4, a small concept 'organic-nano solar cells and its applications has been included.

Action Taken: Changes will be followed from 2016-17 onwards.

Resolution 21: In the module-5, 'Introduction to environmental applications' has been removed.

Action Taken: As per BOS committee members suggestions the above changes will be Implementing from 2016-17 onwards.

Resolution 22 In module-2, Jablonski diagram is included.
Action Taken: Jablonski diagram will be included from 2016-17 onwards.

Resolution 23: In the module-3, Evaluation methods of Interferences have been removed. In UV-Visible spectroscopy, principles and application for qualitative and quantitative analysis is included.
Action Taken: As per BOS committee members suggestions the above changes will be Implementing from 2016-17 onwards.

Resolution 24: In the module-4, Raman spectroscopy is removed completely.
Action Taken: Raman spectroscopy will be removed completely from 2016-17 onwards.

Resolution 25: In the module-5, the module structure is reshuffled as Introduction, basic principles, Instrumentation. Minor changes like coupling constant in included and spin tickling is removed.

Action Taken: As per BOS committee members suggestions the above changes will be Implementing from 2016-17 onwards.

Chairman - BOS

(Dr. S.SAIDULU)

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17th October,2015

Minutes of the meeting of Board of Studies for English

The meeting of Board of Studies for English is convened on 17th October, 2015

at 11:30AM in the Communication Skills Lab. The following members were invited.

S.No.	Name & Designation	Designation in the Board	Signature
1	Dr. S Sudhakara Reddy Principal, MREC (Autonomous)	Special Invitee	
2	Dr.B.Vijay Kumar, Asst.Prof & HOD, Dept of English	Chairman	
3	Dr. V.Parvathi, Associate Prof., JNTUH	University Nominee	17/10/15
4	Prof. T.Vijaykumar Professor, Osmania University, HYD	Subject Expert	
5	Prof. Mohanraj.S Professor, EFLU, Hyderabad	Subject Expert	
6	M/s. Nandini Darsi Tech Mahindra, Hyderabad	Member from Industry	17/10/15
7	Dr. D.Sudha Rani Professor, MREC	Member	
8	Dr. T. Surendranath Reddy Professor, MREC	Member	
9	Mrs. Madhavilatha Asso. Prof, MREC	Member	
10	Mrs.K.S.Rajasri Asst. Prof., MREC	Member	

The agenda of the meeting was:

1. Review of the syllabus of the last academic year.
2. Approval of the scheme of instruction of B.Tech and MBA for the academic year 2015-16.

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Department of English

Minutes of Meeting

17-10-2015

The Meeting of Board of Studies for English was convened on 17-10-2015. The meeting started at 11:15 am and was concluded at 3:30pm.

The following points were discussed in the meeting:

- The Chairman, Board of Studies , English, Dr.B.Vijay Kumar gave a presentation to the committee members on course structure and the syllabi of MR15 regulations(as per the **Choice Based Credit System**) for the academic year 2015-2016.
- The subject,' English' for I B.Tech. students was included in both the semesters in the academic year 2014-2015.Where as it has been included in one semester only (for Circuit branches in first semester and non-circuit branches in the second semester) during the academic year 2015-2016. This modification was done keeping Choice Based Credit System in view.
- The textbooks prescribed for the I B.Tech students in the academic year 2014-2015 were removed and the new text books, "Resonance: English for Engineers and Technologists" and "The Enriched Reading" were included in I B.Tech course for the academic year 2015-2016.
- New Prose Essays/Speech/Short Stories like 'Grammar of Anarchy' by Dr.B.R.Ambedkar, 'Need of Discipline and Visionary Young India' by Dr.A.P.J. Abdul Kalam, 'Death of a Hero' by Jai Nimbkar, 'Ushering in a New Era: Networking', 'Morphed Universe: Technology as a Double-edged Sword', 'The Doctor's word' by R.K.Narayan, 'The Indomitable Human Spirit: Facing Disasters' and 'Once There was King' by Ravindranath Tagore are included in the academic year 2015-2016.
- The vocabulary topics, 'Gender sensitive language' and 'Integrated Exercises' have been included in the syllabus I B.Tech. English syllabus.
- The title of "English Language and Communication Skills Lab" is changed into "English Language Lab".
- The theory subject, "Technical Communication and Presentation Skills" is newly introduced for III B.Tech. students in the academic year 2015-2016 in order to improve language skills and prepare for the Industry ready.
- The Title of "Advanced English Communication Skills Lab" is changed into "Technical Communication Skills Lab" for the academic year 2015-2016.

- As a part of Choice Based Credit System, three Open Electives, "Business Communication", Interpretation of Literature and Analytical Writing" and "World Literatures" are included in the curriculum of 2015-2016 academic year.

17/10/15

(Dr. B.Vijay Kumar)
Chairman, BOS –English.

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Department of English

18-10-2015

Board of Studies meeting held on 17.10.2015 at 11:00 AM

The Board of Studies meeting for the Department of English was convened on 17.10.2015 at 11:00 AM in the conference hall, Mall Reddy Engineering College (Autonomous), Hyderabad.

Action Taken Report (ATR) on BoS Meeting for the AY 2015-2016

The previous Board of studies meeting in AY2015-2016 was held on dt: 17th October 2015. The following are the resolutions made in the meeting and corresponding action taken are as follows

Resolution 1: Suggestion was made by the BOS members to divide the B.Tech theory external exam question paper into three sections instead of having two sections.

Action Taken: Implemented in MR15 regulations.

Resolution 2: The committee members advised to maintain as many as different software in the Language laboratories.

Action Taken: Different softwares were procured and given brief awareness about those for the students.

Resolution 3: The committee has suggested to introduce 'Soft Skills' subject to III B.Tech. students.

Action Taken: It was decided to introduce 'Soft Skills' from next regulations onwards.

Resolution 4: The committee members suggested to arrange the syllabus in chronological orfder.

Action Taken: As per the suggestion of the members, the syllabus was arranged in chronological order and implemented.

Chairman
BoS, English

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Principal
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