

Dr. Ambedkar Institute of Technology
Department of Electronics & Telecommunication Engineering

The enclosed documents are verified and approved.

S. S. T.
for HoD H. O. D
Dept. of Electronics & Telecommunication Engg.
Dr. Ambedkar Institute of Technology
Bengaluru-560 056

Dr. Ambedkar Institute of Technology
Bengaluru-560 056

**Department of Telecommunication Engineering
Dr. Ambedkar Institute of Technology, Bangalore
(An Autonomous Institute affiliated to VTU)**

Date: 21-03-2017

RESOLUTIONS OF BOS MEETING-UG

BOS meeting for finalizing the scheme and syllabus for UG 3rd to 8th Semester, Telecommunication Engineering and PG 1st to 4th semester. Digital communication & Networking was held on 21.03.2017. Following members were present in the meeting:

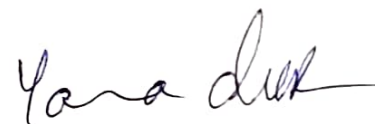
- (1) Dr. Yamuna Devi C. R., Chairman
- (2) Dr. Dinesh. External Subject Expert
- (3) Dr. Jayanthi K. Murthy, External Subject Expert
- (4) Dr. K.R. Nataraj, External Subject Expert
- (5) Prof. P. Nagaraju, External Subject Expert
- (6) Dr. H. S. Sheshadri ,VTU Nominee
- (7) Mr. T. Rajendra Prasad, Industry Representative
- (8) Mr. Umesh R. Rao, Industry Representative
- (9) Mrs. Lakshmi Bhaskar, Alumni with PG degree
- (10) Dr. B. Sivakumar, Internal faculty member
- (11) Vidya Honguntikar, Internal faculty member
- (12) K. V. Mahesan, Internal faculty member
- (13) Aravinda H. L., Internal faculty member
- (14) Usharani M. A., Internal faculty member
- (15) Dr. Prashanth C.R., Internal faculty member
- (16) Chandrakala V., Internal faculty member
- (17) Sudha T., Internal faculty member

Chairman-BOS welcomed all the members for BOS meeting.
Following points were discussed in the meeting:

- (1) In TE32-DSD few more applications to be included and mod-n counter can be mentioned instead of mod-6 counter.

- (2) To include Mathematical concepts related to telecommunication specialization- Faculty confirmed that the concepts are already included in 1st and 2nd year Maths subjects.
- (3) In TE33- CT No. of teaching hours for 3rd unit to reduce from 8 to 6 hours and 4th and 5th unit to have 8 hours each. Also internal choices to be given from units 4 and 5.
- (4) In TE34- M&I, to include calibration concepts along with errors and safety measures.
- (5) In TE35- FT, to include applications in the syllabus and have guest lectures by industry experts.
- (6) In TE42- TLCS- to include applications at the end of each chapter to have clarity in the subject.
- (7) Control Systems subject can be included in electives and Transmission Lines subject can be made as core subject.
- (8) In TE43- S&S include frequency response in 5th unit.
- (9) In TE45- Op Amp & its applications. replace 2nd text book (by Roy Choudhary) by Gayakwad.
- (10) TEL47- HDL Lab- include study experiment- simulation of elevator as main experiment itself.
- (11) TE52- AC- to include Pulse Modulation, FM radio and stereo multiplexing as applications in 4th unit.
- (12) TE53- A&WP- to include microstrip antenna concept in theory as the related experiment is included in O&MS Lab.
- (13) TE55- Fundamentals of CMOS VLSI- unit 3 is of 10 hours which can be reduced.
- (14) TEL57- AC Lab- combine PAM, PWM, PPM modulation and demodulation and add some more experiments like amplitude modulation using ICs.
- (15) TEL58- LIC Lab- Combine first 4 experiments and add more experiments. To include Labview for simulation along with hardware.
- (16) TE61- reduce the no. of hours in 2nd unit to (5+5) hours and change the no. of hours in 3rd unit to (7+7) hours.
- (17) TE62- ESD to include text book authored by Shibu. Also to include contents on Single core, Multicore, SoC- different vendors giving various options.
- (18) TE63- SC- increase no. of hours for unit 3.
- (19) TE65-ITC- combine unit 2 and 3 and introduce convolution coding and decoding as unit 5.
- (20) TEL67- MW lab- include light runners.
- (21) Change Adaptive Signal Processing departmental elective by any other subject related to telecommunication branch.
- (22) TE73- CCN, include applications such as Bluetooth and WiFi.
- (23) TE81- ON- topics already taught in previous semester subjects such as MC and OFC to be removed.
- (24) TE82- Multimedia Communication- Remove out dated topics and include new standards.
- (25) TE835- GSM- include 4G and 5G technology.
- (26) Include IoT as a subject- Already included as a departmental elective in final year.
- (27) To mention sub topics in the syllabus instead of subtopic numbers in all the subjects.
- (28) To include latest edition text books and reference books.

- (21) Change Adaptive Signal Processing departmental elective by any other subject related to telecommunication branch.
- (22) TE73- CCN, include applications such as Bluetooth and WiFi.
- (23) TE81- ON- topics already taught in previous semester subjects such as MC and OFC to be removed.
- (24) TE82- Multimedia Communication- Remove out dated topics and include new standards.
- (25) TE835- GSM- include 4G and 5G technology.
- (26) Include IoT as a subject- Already included as a departmental elective in final year.
- (27) To mention sub topics in the syllabus instead of subtopic numbers in all the subjects.
- (28) To include latest edition text books and reference books.
- (29) For the students admitted in 2015, three lab components in 5th, 6th and 7th semesters will continue as decide in the BOS meeting-2016.
- (30) Department Vision, Mission, PO's are discussed and PEO's are reframed.



Chairman - BOS

CHAIRMAN

Board of Studies

Department of Telecommunication Engg

Dr. Ambedkar Institute of Technology

BANGALORE-560 056

Dr. Ambedkar Institute of Technology, Bangalore
(An Autonomous Institute affiliated to VTU, Accredited by NAAC with 'A' grade)



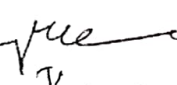
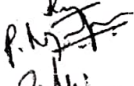
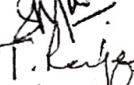
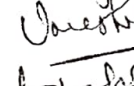

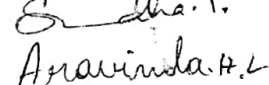

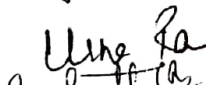
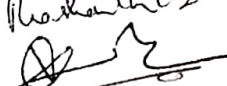
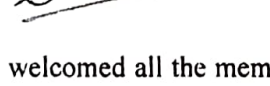
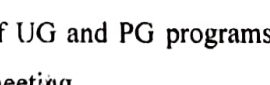



Department of Telecommunication Engineering

(UG and PG Programs Accredited by NBA)

Date: 15-06-2018

Resolutions of Board of Studies Meeting – Under Graduation and Post Graduation Programs

Board of Studies meeting for finalizing the scheme and syllabus for Under Graduation Program 3rd to 8th Semester, Telecommunication Engineering and Post Graduation Program 1st to 4th semester M Tech in Digital communication and Networking, was held on 15.06.2018. Following members were present in the meeting:

- | | | |
|-----------------------------|-------------------------|--|
| (1) Dr. Yamuna Devi C. R., | Chairman |  |
| (2) Dr. H. S. Sheshadri, | VTU Nominee |  |
| (3) Dr. S. Shanthala, | External Subject Expert |  |
| (4) Dr. K.R. Nataraj, | External Subject Expert |  |
| (5) Dr. Jayanthi K. Murthy, | External Subject Expert |  |
| (6) Prof. P. Nagaraju, | External Subject Expert |  |
| (7) Mr. Sharaschandra M.K., | Industry Representative |  |
| (8) Mr. T. Rajendra Prasad, | Industry Representative |  |
| (9) Mr. Umesh R. Rao, | Industry Representative |  |
| (10) Mrs. Laksimi Bhaskar, | Alumni with PG degree |  |
| (11) Dr. B. Sivakumar, | Internal faculty member |  |
| (12) Mrs. Sudha T, | Internal faculty member |  |
| (13) Mr. K. V. Mahesan, | Internal faculty member |  |
| (14) Mr. Aravinda H. L., | Internal faculty member |  |
| (15) Mrs. P.C. Shruthi, | Internal faculty member |  |
| (16) Mrs. Usha Rani M. A., | Internal faculty member |  |
| (17) Dr. Prashanth C.R., | Internal faculty member | |
| (18) Mrs. Chandrakala V., | Internal faculty member | |

The Chairman, Board of Studies (UG and PG Programs) welcomed all the members for BoS meeting and held discussion on scheme and syllabus of UG and PG programs for the academic year 2018-19 and following are the essence of the meeting.

PG Program:

1. It was suggested to include recent edition text books and reference books to all subjects. (Action: All faculty members)
2. The contents of fourth semester Wireless Sensor Networks shall be revised and included as an elective for first semester (4G, SDR, ZIGBEE and other advanced topics to be included). (Action: Dr. B. Sivakumar)
3. The contents of first semester Advanced Computer Networks has to be revised. (Action: Dr. B. Sivakumar)
4. In second semester Modern Digital Signal Processing, unit 5 on Power Spectrum Estimation shall be replaced by Applications of DSP. (Action: Dr. Prashanth C R)
5. Subject titled Information and Network Security has to be changed to Cryptography and Network Security and contents shall be refined. (Action: P C Shruthi)
6. Wireless Communication syllabus shall be refined referring to text 2. (Action: Dr. B Sivakumar)
7. Including the subject Cloud Computing may be considered in place of Network Programming. (Action: Dr. Yamuna Devi C R/ Sowmya M)
8. Multirate and Filter Banks shall be shifted from second semester to fourth semester as an elective subject. (Action: Dr. Prashanth C R)
9. Wireless Broadband LTE 4G shall be renamed as Wireless Broadband Communication. (Action: V Chandrakala)
10. In the subject Advances in Image Processing, reference book should be considered as a text book and the contents to be revised. (Action: Aravinda H L)
11. Scheme of Teaching and Examination shall be modified according to changes made to syllabus. (Action: Dr. Prashanth CR/ V Chandrakala)
12. Simulation and Modelling Analysis to be renamed as Modelling and Analysis. (Action: Vidya H)

UG Program:

Scheme & syllabus discussion for the Academic year 2018-19:

As per the preliminary BoS meeting held on 16.05.18 with the faculty members and student representatives, it was resolved to incorporate the changes and improvements in the scheme and syllabus.

There were changes to be made which needed immediate attention in subjects like Microcontrollers in 4th semester and Internet of Things in 7th semester.

1. It was resolved to reframe the syllabus by including basic concepts of Microprocessors in the 1st unit. Also, the contents related to MSP430 in 4th and 5th unit were replaced with contents of 8051 microcontroller.
2. MSP430 may be made offered as an individual elective subject.
3. It was resolved to reframe the complete syllabus of Internet of Things and the same was approved.

The format of the Scheme as per issued by the institute for the Academic year 2018-19 and the discussion of the scheme was made as per the format given.

1. A suggestion was given to include debate among the students of a class on a topic related to subject.
2. Measurements & Instrumentation(M&I) subject can be clubbed with Electronic Devices and Circuits. Hence, in place of M&I, the subject Transmission Lines & Waveguides(TLW) can be included in 3rd semester.
3. TLW will be removed from 4th semester and replaced with a combined subject Analog Communication & Linear Integrated Circuits (AC&LIC).
4. The subject Control Systems(CS) will be included in 4th semester.
5. The subject Information Theory and Coding(ITC) will be included in 5th semester and any other subject should be included in Program Elective (PE) list.
6. Digital Communication is made as a core subject in 5th semester.
7. Computer Communication Networks theory and Laboratory shall be included in 6th semester.
8. Microwave Engineering(MW) theory and laboratory shall be included in 7th semester and made as a core subject.
9. OOPS using C++ shall be included as Open Elective(OE) and any other subject to be included in PE list.

10. The subjects Wireless and Mobile Networks and Automotive Electronics can be introduced as Program Electives (PE) in 8th semester.

11. Department Vision, Mission, PO's and reframing of PEO's are discussed and analyzed.

The Chairman, BoS-UG and PG concluded the meeting after thanking all the members present.



Chairman, BoS- UG andPG

CHAIRMAN

Board of Studies

Department of Telecommunication Engg;
Dr. Ambedkar Institute of Technology
BANGALORE-560 098

CWC to:

1. The Principal, Dr. AIT, for information.
2. The Dean (Aca), Dr. AIT, for information.

RESOLUTIONS OF BOS MEETING

BOS meeting for revision of scheme and syllabus for UG (B.E.) 3rd to 8th Semester, Telecommunication Engineering , PG (M.Tech.) 1st to 4th semester, Digital communication & Networking and also to revise Vision, Mission and Program Educational Outcomes of the department, was held on 17.05.2019. Following members were present in the meeting:

- (1) Dr. Yamuna Devi C. R., Chairman
- (2) Dr. Jayanthi K. Murthy, External Subject Expert
- (3) Dr. Rathna G.N, External Subject Expert
- (4) Dr. Ashwath, External Subject Expert
- (5) Dr. Parameshachari B.D, External Subject Expert
- (6) Dr. K. Viswanath , VTU Nominee
- (7) Mr. Sharaschandra M. K., Industry Representative
- (8) Mr. Sunil, Industry Representative
- (9) Mrs. Supriya Raghavendra Rao, Industry Representative
- (10) Mr. Kirthi Prakash , Alumni with PG degree
- (11) Dr. B. Sivakumar, Internal faculty member
- (12) Dr. Prashanth C.R., Internal faculty member
- (13) K. V. Mahesan, Internal faculty member
- (14) Dr. Chandrakala V. , Internal faculty member
- (15) Vidya H., Internal faculty member
- (16) Shruthi P. C. , Internal faculty member
- (17) Usha Rani M. A. , Internal faculty member
- (18) Kavitha Narayan B. M., Internal faculty member

Chairman-BOS welcomed all the members for BOS meeting.

RESOLUTIONS OF BOS MEETING

Following are the resolutions of BOS meeting for UG and PG scheme and syllabus held on 17.05.2019:

1. Regarding vision, mission, PEOs related to NBA, it was suggested to reduce the number of PEOs to 2 or 3, instead of 4, so that the mapping can be justified.
2. Members suggested that aspects of Telecommunication should be inculcated in software used in laboratories.
3. It was suggested to include one Elective subject from 5th semester, instead of 2 electives in 6th semester and to increase the evaluation components like week to week assessment.
4. The subject Field Theory (18TE36) in 3rd semester can be swapped with Signals & Systems (18TE44) of 4th semester.
5. In the subject AC + LIC (18TE43), the topics SSBC which is in 2nd unit and VSB which is in 3rd unit, can be combined together in one unit itself. Also, the units can be distributed such that first three unit consists of contents related to Analog Communication (AC) and the last units related to LIC.
6. The Programming in HDL (18TE45) can be combined with the subject DSP (18TE52) and any new subject like Machine Learning, Deep Learning, Data Analytics, IoT, RF Design, Analog, Digital & Mixed mode signals etc., could be introduced in its place.
7. It was suggested to introduce online courses having credits in syllabus.
8. For current 3rd and 4th year students, existing schemes and syllabus was approved (Total 200 credits)
9. Subjects for Honours and Minor degree in last two years of the degree were suggested by members.
10. For PG M Tech, DCN degree, it was suggested that the teaching and tutorials hours can be revised and verified for all the subjects.
11. It was noted that an internship of 6 weeks is not enough for PG students; hence it was proposed that a 10 month internship period be allotted for the students.
12. It was suggested that a coding related subject and a networking related subject be introduced in the curriculum for PG students.

Dr. AMBEDKAR INSTITUTE OF TECHNOLOGY, BANGALORE – 560056
(An Autonomous Institute affiliated to VTU)
DEPARTMENT OF TELECOMMUNICATION ENGINEERING

BOS MEETING PROCEEDINGS

Date:20/08/2020

The Chairman Board of Studies (UG and PG programs) welcomed all the members for BOS committee and informed about the scheme and syllabus of UG and PG programs for the academic year 2020-21. Following members were present in the meeting:

- (1) Dr. Yamuna Devi C R., Chairman
- (2) Dr. Jayanthi K. Murthy, External Subject Expert
- (3) Dr. Rathna G.N, External Subject Expert
- (4) Dr. Ashwath, External Subject Expert
- (5) Dr. Parameshachari B.D, External Subject Expert
- (6) Er. Manisha Yadav, Invited Member
- (7) Dr. K. Viswanath, VTU Nominee
- (8) Mr. Sharaschandra M.K, Industry Representative
- (9) Mr. Sunil, Industry Representative
- (10) Ms. Supriya Raghavendra Rao, Industry Representative
- (11) Mr. Kirthi Prakash, alumni with PG degree
- (12) Dr. B. Sivakumar, Internal Faculty Member
- (13) Mr. Mahesan K.V. Internal Faculty Member
- (14) Dr. Vidya H, Internal Faculty Member
- (15) Mrs. Sudha T, Internal Faculty Member
- (16) Dr. Aravinda H L, Internal Faculty Member
- (17) Mrs. Usha Rani M.A, Internal Faculty Member
- (18) Dr. Prashanth C. R., Internal Faculty Member
- (19) Dr. Chandrakala V., Internal Faculty Member

Chairman BOS welcomed all the members for BOS meeting.

Detailed discussions were held regarding Scheme and syllabus of UG and PG courses for 2017 admitted students(UG), 2018 onwards admitted students(UG), 2018 onwards admitted students(PG), and 2020 admitted students(PG), and the following suggestions were given by members.

UG:-

1. To introduce online Internship program.
- Chairman informed that some students have completed online internships.
2. To combine online courses under open electives head.
3. To introduce Virtual Labs to curriculum.
4. To include NPTEL and SWAYAM courses as credit and non-credit courses.
5. To include Virtual Labs, and also conduct and record hardware experiments and share among students.
- Chairman informed that for previous semester, videos of experiments were shared with students and also uploaded in Institute website.
6. To conduct experiments in Virtual Lab and inform students to record and send to teachers.
7. To change the mode of conduction and question paper pattern for online SEE.
8. To record and share theory class videos, Material links, online videos in case of technical problems.
- Chairman informed that few teachers are recording and sharing classes, materials and videos with students.
9. To use any open source software like Sci lab.
- Chairman informed that suitable software is used in every lab for conduction of few demo experiments.
10. To introduce any online meeting tools like Webex, Google meet and Microsoft teams (licenced version).
11. To invite industry expert to teach theory and Laboratory.
- Chairman informed that an industry expert from Simons was invited to teach a part of IV semester course (Fundamentals of Telecommunications) in previous semester.

PG:-

1. To verify the elective subjects in ELECTIVE –I, II,III, IV with equal distribution in communication and networking.
- After discussion with senior faculty it was verified that electives have equal distribution in communication and networking.
2. Industrial Exposure is to be introduced for 1st year students.

BOS members gave their approval for scheme and syllabus mentioned above for UG and PG courses including the elective courses. Chairman informed that for few of the suggestions given by members, discussions are going on at the Institute level and changes will be incorporated as per the decisions taken by the higher authorities. Members of the BOS Committee gave their approval for scheme and syllabus of UG & PG courses.

The Chairman BOS(UG and PG) concluded the meeting after thanking all the members present.

Chairman-BoS



H.O.D.

Dept. of Telecommunication Engg.
Dr. Ambedkar Institute of Technology,
Bangalore-560 056

Dr. Ambedkar Institute of Technology
(An Autonomous Institute affiliated to VTU)
Department of Electronics & Telecommunication Engineering

Date: 20.05.2021

Preliminary BOS Meeting -2

To discuss about formulating scheme and syllabus for forthcoming Academic year 2021-22 , an online preliminary BOS meeting for UG was conducted in the presence of all the faculty members on 20.05.2021 at 11.30 am.

Following faculty members were present for the meeting:

Sl. No.	Name
1.	Dr. Yamuna Devi C. R.
2.	Dr. B. Sivakumar
3.	Dr. Prashanth C. R.
4.	Dr. Vidya H.
5.	Dr. Sudha T.
6.	Mahesan K. V.
7.	Dr. Chandrakala V.
8.	Dr. Shruthi P. C.
9.	Dr. Aravinda H.L.
10.	Usha Rani M. A.
11.	Praveen K. B.
12.	Kavitha Narayan B. M.
13.	Sowmya M.

Chairman-BOS & HOD welcomed the faculty members and briefed about the proposed syllabus and requested faculty members to give their suggestions for improvisation, especially regarding final year syllabus which is to be newly implemented in the forthcoming academic year.

Following suggestions/opinions were expressed by the faculty members during the meeting, regarding the proposed scheme and syllabus :

- (1) The subject "Microwave Engineering" in 7th semester can be renamed as "Microwaves & RADAR" to emphasize that RADAR which is essential application in telecommunication is dealt in the course.

- (2) Syllabus of the subject “Optical Communication & Networking” to be revised.
- (3) In the syllabus of professional elective “Mobile Communication” in 7th semester, along with other generations of mobile technology, 5G also to be mentioned.
- (4) In the syllabus of professional elective “Artificial Intelligence and Machine Learning” along with Neural Networks concepts, genetic algorithm has to be included.
- (5) Regarding professional elective “Spread Spectrum Communication”, more specific topics about PN sequence to be included, and also order of units can be modified.
- (6) In professional elective “Digital Image Processing” the topic image fragmentation can be included along with Image segmentation. Python implementation can be mentioned in any of the units.
- (7) For professional elective “Internet of Things”, the book “**Internet of Things (A Hands-on-Approach)**” by Vijay Madiseti and Arshdeep Bahga to be included as Text Book 2.
- (8) Inclusion of subject “Internet of Things for Mobile Applications” as Open Elective by the department was suggested.

Faculty members were informed to put advanced relevant topics and included latest edition of books.

HOD & Chairman-BOS thanked all the faculty members for participating and giving their inputs and concluded the meeting.

Anavinda H.L
Syllabus/BoS Coordinator

Yana D
HOD & Chairman-BOS

Dept. of Telecommunication Engg.
Dr. Ambedkar Institute of Technology
Bengaluru-560 056

Dr.Ambedkar Institute of Technology
Department of Electronics & Telecommunication Engineering

Date: 22/07/2022

W/Cs to Dean(A),
Dr.AIT, Bengaluru.

Minutes of the Meeting : Board of Studies Meeting - 2022

To discuss the draft scheme prepared as per New Education Policy (NEP) for 3rd to 8th Semester B.E, Electronics & Telecommunication Engineering to be implemented for 2021-22 admitted batch and the syllabus for forthcoming academic year 2022-23, a Board of Studies meeting was conducted on 22.07.2022. Following members were present in the meeting:

1. Dr. Yamuna Devi C R, Assoc. Prof. & HOD, Dept. of ETE, Dr.AIT
2. Dr. K. C. Narasimhamurthy, External Subject Expert, Prof. & Head, Dept. of ETE, SIT, Tumkur.
3. Dr. S. Shanthala, External Subject Expert, Professor & Head, Dept. of ETE, Bangalore Institute of Technology, Bangalore.
4. Dr. Rajeshwari Hegde, External Subject Expert, Professor, Dept. of ETE, BMS College of Engineering, Bangalore.
5. Dr. Vinod B. Durdi, External Subject Expert, Assoc. Professor, Dept. of ETE, Dayananda Sagar College of Engineering, Bangalore.
6. Er. Manisha Yadav, Invited Member, HOD, Dept. of ECE, IET AYODHYA.
7. Dr. Parameshachari B.D, VTU Nominee, HOD, Dept. of TCE, GSSSIETW, Mysuru.
8. Mr. Madhusudhan Rao, Industry Representative, Principal Product Manager, Oracle Database Outbound Product Management, Oracle corp., Bangalore.
9. Mr. Ajay K., Industry Representative, Senior Software Engineer, CISCO Systems India Pvt. Ltd., Bangalore.
10. Dr. B. Sivakumar, Internal Member, Professor, Dept. of ETE, Dr.AIT, Bangalore.
11. Dr. Prashanth C. R., Internal Member, Professor, Dept. of ETE, Dr.AIT, Bangalore.
12. Dr. Mahesan K. V., Internal Member, Assoc. Professor, Dept. of ETE, Dr.AIT, Bangalore.
13. Dr. Vidya H, Internal Member, Assoc. Professor, Dept. of ETE, Dr.AIT, Bangalore.
14. Dr. Sudha T, Internal Member, Assoc. Professor, Dept. of ETE, Dr.AIT, Bangalore.

15. Dr. Chandrakala V., Internal Member, Assoc. Professor, Dept. of ETE, Dr.AIT, Bangalore.
16. Dr. Aravinda H. L., Internal Member, Asst. Professor, Dept. of ETE, Dr.AIT, Bangalore.
17. Mrs. Usharani M. A., Internal Member, Asst. Professor, Dept. of ETE, Dr.AIT, Bangalore.

Chairman welcomed the BOS members. Explained the members about scheme structure as per NEP and gave the overview of draft scheme formulated. Following were the points suggested by Subject experts and resolutions taken:

1. Regarding the 3rd Semester Integrated Professional Core Course “Digital System Design using VHDL” it was suggested that Verilog can be considered instead of VHDL. Since many companies in IT industry are using Verilog it was decided to replace VHDL with Verilog in the syllabus.
2. Members suggested that theory of Microcontrollers must be incorporated in the syllabus.
After discussion, it was decided to include “Microcontrollers” as an Ability Enhancement Course Theory in 3rd Semester.
3. It was suggested by some of the members that Signals & Systems and DSP can be combined into single subject.
Concerned subject incharges expressed their opinion that contents of both the subjects are vast and it was decided to retain them as separate subjects.
4. Suggestions were given that in 3rd Semester subject “Analog Electronic Circuits” more topics on FET and MOSFET must be included. In Linear Integrated Circuit topics of the subject Sample and Hold Circuit must be included.
It was decided to incorporate both the suggestions.
5. Members gave their opinion that Ability Enhancement Courses, along with Simulation experiments some more experiments using Sensors and other hardware implementation are to be included.

As these courses are implemented for the first time, it was decided to retain the Simulation experiments.

6. Subject experts suggested that in the subject "Circuits & Controls", Bode Plot technique needs to be included and instead of Block diagram reduction rules, Signal flow graph to be included. Further, in the Laboratory component time-response specification experiment must be Included.

It was decided to incorporate all the suggestions.


7. In communication laboratory, LabVIEW experiments can be included for better visualization of types of modulation.

It was decided to include two demonstration experiments in LabVIEW.

8. It was suggested that subject on "Python Programming" has to be included in the syllabus.

It was decided that the Ability Enhancement Course titled "Octave/Scillab for Signals" to be modified as "Octave/Python for Signals" in 4th semester.

9. Transmission Line and Waveguides has to be included in the syllabus. It was resolved that Transmission Line theory can be included as Ability Enhancement Course in 4th semester and Waveguides to be included in Microwave & Antenna subject present in 5th Semester.


Chairman-BOS
Dept of ETE