

Date: 30-03-2019

Minutes of the Board of Studies Meeting of the Dept. of ECE,

GNITS, HYDERABAD

The 2nd Board of Studies Committee of the ECE Department, GNITS, Hyderabad, with the following members:

- 1) Dr. B. Venkateshulu, Professor of ECE, GNITS, Hyderabad - BoS Chair & Head of ECE
- 2) Dr. P. V. D. Somasekhara Rao, Prof. and Dean Academics, GNITS - Honorary Member
- 3) Dr. D. Sreenivasa Rao, Professor of ECE, JNTUCEH, Hyderabad - University Nominee
- 4) Dr. M. Asha Rani, Professor of ECE, JNTUHCEH, Hyderabad - External Member
- 5) Dr. P. Chandrasekhara, Professor, OUCE, OU, Hyderabad - External Member
- 6) Dr. Sachin Chaudhari, Asst.Prof. SPCRC, IIITH - External Member
- 7) Mr. G. Uma Maheswar, Solution Architect, TCS, Hyderabad - Industry Member
- 8) Dr. K. Ragini, Professor of ECE, GNITS, Hyderabad - Internal Member
- 9) Dr. Renuka Methre, Assoc.Prof. of ECE, GNITS, Hyderabad - Internal Member
- 10) Dr. R Swapna, Assoc.Prof. of ECE, GNITS, Hyderabad - Internal Member
- 11) Prof. CH.Ganapathy Reddy, Professor of ECE, GNITS, Hyderabad - Internal Member
- 12) Mrs. K. Abhinaya, Design Engineer-2, Xilinx Pvt. Ltd. - Alumnae Member

The 2nd Board of Studies Meeting of the Department of ECE, GNITS (UGC Autonomous), Hyderabad, has been conducted on 30/3/2019, within the Department, and the following are the 'Minutes of the 2nd BoS Meeting, and the associated resolutions':

The Minutes of the 1st Board of Studies Meeting of the Department of ECE, GNITS (UGC Autonomous), held during May 14 - 15, 2018, at GNITS, Hyderabad, have been reconfirmed.

After detailed discussions and satisfactory deliberations, the following resolutions are considered and approved unanimously

1. Resolved to approve and accept the Course Structure, Course Contents and Syllabi for the B.Tech. 3rd year and 4th year (5th to 8th Semesters), as listed. The Course Structure requirements are as per the guidelines suggested by AICTE Model Curriculum of Jan. 2018 (160 Credits for B.Tech. Programme).

2. Resolved to approve the Lists of Professional Electives, Open Electives and Service Courses (for other departments), in addition to the Core Subjects and Labs, Summer Internship (for 3 Credits) after the completion of 3rd year, Seminar and B.Tech. Project as specified.

3. The BoS Committee made the following modifications in the UG (B.Tech 3rd & 4th Year) Syllabus for Common Subjects of ECE & ETE:
 - a) In Digital Signal Processing, Unit III “Introduction to Kaiser window” was included.
 - b) In Digital Signal processing Lab, “Implementation of Mini Project based on above knowledge” is included as note.
 - c) In Information Theory Coding, Title of Unit 1 was changed to “Basics of Information Theory”, Unit 2 was changed to “Source Coding and Channel Capacity” and Unit 3 was changed to “Error Detection and Correction Codes”.
 - d) Nomenclature of the subject Computer Networks and Internet Protocol was changed to “Principles of Computer Networks”.
 - e) Nomenclature of the subject Automatic Control Systems was Changed “Linear Control Systems”.

4. The BoS Committee made the following modifications in the UG (B.Tech 3rd & 4th Year) Syllabus for ECE Subjects :
 - a) Nomenclature of the Subject Mobile Communications and Networks was changed to “Wireless Communications”.

5. In view of AICTE/UGC suggestions and guidelines, it is resolved to recommend the inclusion of **“INTERNSHIP” for B.Tech. (ECE) Programme students**, addition to the B.Tech. Project requirements already specified, with the following notes.
 - a) The internship will be “Industry Internship”, and is exclusively meant for all those students who have been considered eligible and selected accordingly by the Industry. Based on such selection letters by the Industry, approvals will be given to individual students by the Head of Department and the Principal of the Institution to carry out the Industry Internship for One Semester. The Internship Performance will be evaluated by the Supervisor/Advisor/Guide from the Industry for 100 marks (there will not be any Internals/Sessionals from the department side), and a Certificate is to be issued to that effect from the Industry. The Internship will carry a weightage of 3 Credits, and all students who undergo Internship Programme

are exempted from the prescribed Open Elective Course of B.Tech. (ECE) – 4th Year 2nd Semester (which is also for 3 Credits).

- b) If any student fails to complete this Internship Programme due to any reason whatsoever, or fails to secure at least 50% marks in their Internship Performance Evaluation, she would have to register for the previously exempted Open Elective Course of 4th Year 2nd Semester, in the next subsequent semester(s), as a ‘supplementary candidate’, and complete all the academic requirements as needed.
- c) i) Because of the mandatory physical presence of the student required at the Industry during the Internship Period, provision is made to the effect that *‘students on Industry Internship may be permitted to choose ONE ON-LINE Course (of NPTEL/MOOCs level - for 3 Credit Weightage), in place of the existing Professional Elective Course (Professional Elective – 6) of 4th Year 2nd Semester of the B.Tech. (ECE) Programme, preferably in the same domain specialization or equivalent, subject to acceptance and approval by the **BoS Chair for ECE**.*
- ii) Choice of ONE ON-LINE Course in place of Professional Elective – 6, as explained above, may also be used in 4th Year 1st Semester (instead of 4th Year 2nd Semester), for the same 3 Credit weightage, for students who are hopeful of securing INTERNSHIP selection letters successfully before the commencement of 4th Year 2nd Semester. However, in all such cases, prior acceptance and approval by the **BoS Chair of ECE** is mandatory.
- iii) In all such cases as explained above in c) i) and c) ii), the student’s performance evaluation will be as per the corresponding ON-LINE Course evaluation format. If any student fails to get the required Grade/Marks in their ON-LINE Course evaluations, she would have to repeat the same ON-LINE Course again (as and when offered) and complete it successfully, to meet all the academic requirements. The corresponding Grade and Grade Point calculations will be included in the 4th Year 2nd Semester Grade Sheet only.
- d) The BoS Committee accepted and approved to include all the modifications arising from the inclusion of “Internship” Activity for the B.Tech. (ECE) 4th Year 2nd Semester Students, and authorized the BoS Chair to effect the same into the Book of Academic Regulations, Course Structure and Syllabi, for B.Tech. (ECE), for the batches of students admitted from 2018-19 Academic Year onwards.


6. The BoS Committee authorized the Head of the Department of ECE, to include the required Course Numbers, and make any other minor corrections/modifications if needed, in the final book preparation for the "Academic Regulations, Course Structure and Syllabi for the B.Tech. 4 Year Programme in ECE", for GNITS (for Women), Hyderabad.

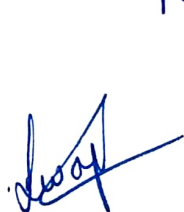
BoS Committee Members

Signatures

- 1) Dr. B. Venkateshulu, Professor of ECE,
GNITS, Hyderabad - BoS Chair & Head of ECE
- 2) Dr. P.V.D.Somasekhar Rao, Prof. and Dean Academics,
GNITS-Honorary Member
- 3) Dr.D.Sreenivasa Rao, Professor of ECE,
JNTUCEH, Hyderabad - University Nominee
- 4) Dr.M.Asha Rani, Professor of ECE,
JNTUHCEH, Hyderabad - External Member
- 5) Dr.P.Chandrasekhar, Professor,
OUCE, OU, Hyderabad - External Member
- 6) Dr. Sachin Chaudhari, Asst.Prof. SPCRC,
IIITH - External Member
- 7) Mr.G.Uma Maheswar, Solution Architect,
TCS, HYD- Industry Member
- 8) Dr.K.Ragini, Professor of ECE,
GNITS, Hyderabad - Internal Member
- 9) Dr.Renuka Methre, Assoc.Prof. of ECE,
GNITS, Hyderabad - Internal Member
- 10) Dr.Swapna, Assoc.Prof. of ECE,
GNITS, Hyderabad - Internal Member
- 11) Prof. CH.Ganapathy Reddy, Professor of ECE,
GNITS, Hyderabad -Internal Member
- 12) Mrs.K.Abhinaya, Design Engineer-2,
Xilinx Pvt. Ltd - Alumnae Member


M. Ali


Sachin
Chandrasekhar
K. Ragini



Baup
Reddy
Abhinaya


Head of ECE Department
and BoS Chair

G. Narayanamma Institute of Technology & Science(For Women)
(Autonomous)
New Courses - R18

B.Tech (Electronics and Communication Engineering)

S. No	Name of the Course	Course Code	Year/Semester	Justification
1	PE-1 Information Theory and Coding	PE115CF	III-I	To meet current challenges in technology
2	Computer Networks Lab	PC11644	III-I	To meet the changing industry requirements
3	Electronic Design Lab	PC11645	III-I	To meet current challenges in technology
4	PE-4 Artificial Intelligence	PE 117DN	IV-I	To meet the changing industry requirements
5	Entrepreneurship and Project Management	HS118FK	IV-II	To meet the changing societal requirements
6	PE-5 Adaptive Signal Processing	PE118EY	IV-II	To meet the changing industry requirements
1	PE-6 Internet of Things	PE118FS	IV-II	To meet the changing industry requirements


Head of ECE & BoS Chair