Minutes of the Board of Studies Meeting of the Dept. of Electronics and Telematics Engineering (ETE), GNITS, HYDERABAD

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

1. Dr.K.Rama Linga Reddy , HOD, ETE, GNITS, Hyderabad – Chairman BOS
2. Dr. D.Sreenivasa Rao, Professor, ECE Dept. , JNTUCE, JNTUH -JNTUH Nominee
3. Dr. D.Krishna Reddy, Professor, ECE Dept., CBIT- Subject Expert, External Member
4. Dr. E.Sreenivasa Rao, Professor, ECE Dept., Vasavi College of Engineering- Subject Expert, External Member
5. Mr. N.Venkatesh, Senior Vice President, Redpine Signals - Industrialist
6. Ms D. Sai Manogna,IT Analyst, TCS, Alumnae
7. Mr. Dr Rajkumar L.Biradar , Professor, ETE, GNITS -Internal Member
8. Mr. G.Krishna Reddy, Assoc Prof, ETE, GNITS - Internal Member
9. Mrs. P.Sree Sudha, Asst Prof, ETE GNITS - Internal Member
10. Mr V.Vikas , Asst Prof, ETE GNITS - Internal Member

The 2nd Board of Studies Meeting of the Department of ETE, 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 ETE, 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".

f) Linear Control System Syllabus has contents framed specific to ECE and approved in EC BoS.

4. The BoS Committee made the following modifications in the UG (B.Tech 3rd & 4th Year) Syllabus for ETE Subjects :

a) Nomenclature of the "Electronic System Design Lab" was changed to "Electronic Communication Design Lab".

b) In Telecommunication Switching Systems & Networks, Unit V, "Introduction of ATM Networks" , "VoLTE and the IP Multimedia System" is included.

c) In Telecommunications Lab, 2 experiments related WLAN are included.

d) In Voice Over Internet Protocol, " QoS detailed Solutions" are included

e) Internetworking in Professional Elective 4 is replaced with "Fundamentals of IoT".

f) Mobile Computing in Professional Elective 5 is replaced with " 4G Technologies".

g) Multimedia Signal Coding in Professional Elective 6 is replaced with" Software Defined Radio and Cognitive Radio".

h) In Network Security, Unit V " Firewalls – Design Principles, Trusted Systems, Intrusion Detection Systems, Intruders, Viruses and related threats" are included.

5. In view of AICTE/UGC suggestions and guidelines, it is resolved to recommend the inclusion of "INTERNSHIP" for B.Tech. (ETE) 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. (ETE) – 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. (ETE) Programme, preferably in the same domain specialization or equivalent, subject to acceptance and approval by the BoS Chair for ETE.

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
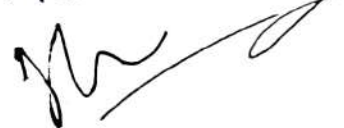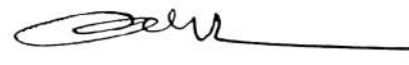
INTERNSHIP selection letters successfully before the commencement of 4th Year 2nd Semester. However, in all such cases, prior acceptance and approval by the *BoS Chair of ETE* is mandatory.

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. (ETE) 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. (ETE), for the batches of students admitted from 2018-19 Academic Year onwards.

6. The BoS Committee authorized the Head of the Department of ETE, 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 ETE", for GNITS (for Women), Hyderabad.

Members Present

Name & Designation of BoS Members	Category	Signatures
1. **Dr.K.Rama Linga Reddy** HOD, ETE, GNITS	Chairman, BOS	K. R. L Reddy
2. **Dr. D.Sreenivasa Rao** Professor, ECE Dept., JNTUCE, JNTUH	JNTUH Nominee	
3. **Dr. D.Krishna Reddy** Professor, ECE Dept., CBIT	Subject Expert	
4. **Dr. E.Sreenivasa Rao** Professor, ECE Dept., Vasavi College of Engineering	Subject Expert	E. Sreenivasa Rao
5. **Mr. N.Venkatesh** Senior Vice President, Redpine Signals	Industrialist	
6. **Ms D. Sai Manogna** IT Analyst, TCS	Alumnae	
7. **Mr. Dr Rajkumar L.Biradar** Professor, ETE, GNITS	Internal Member	
8. **Mr. G.Krishna Reddy** Prof. ETE, GNITS	Internal Member	

9. **Mrs. P.Sree Sudha**
   Asst Prof, ETE GNITS   —   Internal Member

10. **Mr V.Vikas**
    Asst Prof, ETE GNITS   —   Internal Member

Head of ETE Department

G.NARAYANAMMA INSTITUTE OF TECHNOLOGY & SCIENCE (FOR WOMEN)
(AUTONOMOUS)
New Course-R18

BOS-2019

B.Tech: Electronics &Telematics Engineering

Name of the Course	Course Code	year/sem	Justification
Electronic Communication Design Lab	PC11541	III -I	To meet the PO and PSO requirements
PE- IV Fundamentals of IoT	PE117EB	IV -I	To meet the PO and PSO requirements
Wireless commnications Lab	PC11762	IV -I	To meet the PO and PSO requirements
Project Phase-I	PW11761	IV -I	To extend the project review in two semesters
Enterpreneurship and Project Management	HS118FK	IV -II	To meet the changing societal requirements
PE-V Adhoc Wireless Networks	PE118EZ	IV -II	To meet the PO and PSO requirements
PE- VI Network Security	PE118FU	IV -II	To meet the PO and PSO requirements

K. R. & Reddy
HOD ETE