



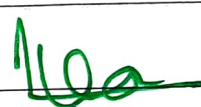


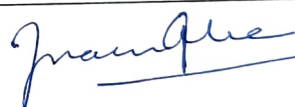
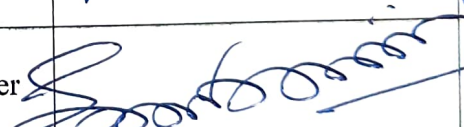
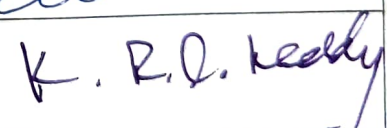
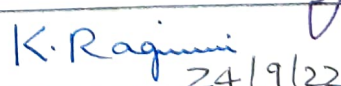
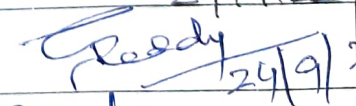
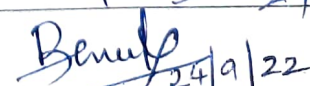
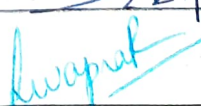
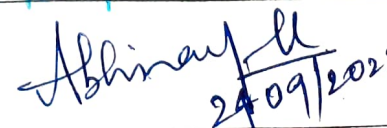
G. NARAYANAMMA INSTITUTE OF TECHNOLOGY & SCIENCE
(for Women)

(Autonomous)

Shaikpet, HYDERABAD - 500 104, Telangana State

Minutes of the 3rd Board of Studies Meeting of ECE :: 24/09/2022

Board of Studies Meeting of the Department of ECE, was held on 24/09/22, at 10.00 am, in the Dept. of ECE, to finalize the Course Structures and Academic Regulations for B.Tech. (ECE) and M.Tech. (DECE) Programmes at GNITS (W), and the Syllabi for I & II Years of B.Tech. (ECE) and M.Tech. (DECE) - for the proposed 'R22 GNITS Regulations', to be effective from 2022-23 Academic Year, with the following Members Present :

S.No	Name & Designation	Member Category	Signature
1.	Dr. B. Venkateshulu, Professor & Head, ECE ,GNITS	BoS Chair	
2.	Dr. D.Srinivasa Rao, Professor of ECE & Director UAAC, JNTUH-CEH	University Nominee	
3.	Dr. P. Chandrasekhar, Professor & Former Head of ECE, OU	Subject Expert	
4.	Dr. Sachin Chaudhari, Associate Professor, SPCRC, IIITH,	Subject Expert	
5.	Dr. M. Asha Rani, Professor & Former Head of ECE, JNTUH	Special Invitee from JNTUH-CEH	
6.	Cdr. Praveen Chandra, Director, Navstar Integrated Systems Pvt. Ltd.	Industry Membe:	
7.	Dr. P. V. D. Somasekhar Rao, Professor of ECE & Dean-Academics, GNITS	Honorary Member	
8.	Dr. K. Rama Linga Reddy, Professor & Head, Dept. of ETE, GNITS	Member Invitee	
9.	Dr. K. Ragini, Professor of ECE, GNITS	Internal Member	
10.	Prof. Ch.Ganapathi Reddy, Professor of ECE, GNITS	Internal Membe	
11.	Dr.Renuka Devi S. M., Professor of ECE, GNITS	Internal Member	
12.	Dr. Swapna Raghunath, Associate Professor of ECE, GNITS	Internal Member	
13.	Mrs. K. Abhinaya, Design Engineer-2, Xilinx Pvt. Ltd., Hyderabad	Alumnae & Industry Member	

Minutes of the BoS Meeting for B.Tech. (ECE) Programme under R22 Regulations at GNITS are listed below :

- 1) Dr. B. Venkateshulu, BoS Chair, GNITS, extended a cordial welcome to all the Members of the BoS of ECE Dept. for the Third BoS Meeting and introduced all the Members.
- 2) The BoS Chair, explained the Course Structure of the UG (B.Tech.) Programme and the % coverage of various group classifications with reference to AICTE recommendations.
- 3) After lengthy deliberations and progressive discussions, all the Members of the BoS of ECE unanimously approved the following -
 - a) The Academic Regulations for B.Tech. Programme (with 160 Credits) in ECE Dept (GNITS-R22 UG Academic Regulations, CBCS based), as per contents enclosed.
 - b) The Four Year 8 Semester UG Degree Programme Structure for B.Tech. Programme in ECE Department, with a total of 160 Credits, as per contents enclosed.
 - c) I Year Course Structure is common to all branches of engineering at GNITS.
 - d) The Course Contents and Syllabi of all the Courses/ Subjects of the two semesters of the II year B.Tech. Degree Programme in ECE, as per details enclosed.
 - e) Inclusion of Honors/ Minor Degree Specialization Programmes, as suggested and approved by JNTUH.
- 4) The BoS Members - Dr. D. Srinivasa Rao (Univ. Nominee) and Dr. M. Asha Rani, suggested minor modifications in the following Course Titles of B.Tech. ECE, which are implemented in ECE Curriculum. The modifications suggested are listed at the end.
- 5) The following suggestions were made by Dr M.Asha Rani :
 - a) To request JNTUH for inclusion of ECE Department related domains - like **Embedded Systems, VLSI** (with Industry Support for Syllabi/ Training/ Internship) for Honours Degree in ECE.
 - b) To request **JNTUH for approval** to offer Minor Degree in “Computer Communications” domain.
- 6) Cdr. Praveen Chandra (BoS Member from Industry), suggested to include subjects like - “Systems Engineering”, “Satellite Communications” at appropriate level in the curriculum if possible. This suggestion is implemented in the B.Tech ECE curriculum.
- 7) The BoS Committee formally authorized the BoS Chair of ECE Department, to include any minor modifications or corrections needed for the UG (R22) Course Structures, Academic Regulations and Syllabi, at later dates.
- 8) The BoS Committee formally authorized the BoS Chair of ECE Department, to suggest the Panel of Question Paper Setters, Examiners and Evaluators required for all the Subjects/ Courses offered by ECE Department, listed in the UG Course Structures (R22).
- 9) The BoS Committee also approved the BoS Chair to present the details pertaining to Course Contents and Syllabi of all the Subjects/Courses related to the III and IV YEARS of B.Tech. Degree Course in ECE, at the 4th BoS Committee Meeting of the ECE Department, for necessary approvals.

10) The BoS Members suggested, to provide the option of ONLINE for "Entrepreneurship and Project Management" Course in IV year II Sem. This will be very helpful for students who take up an internship in their final year.

11) The BoS Chair informed the Committee Members that the 4th BoS Committee Meeting of the ECE Department is likely to be held after one year.


Following are the changes in course titles suggested in B.Tech ECE Curriculum.

S.No.	Year and Semester	Proposed Course Title	Course Title Suggested by BoS
1	II B.Tech. I Sem	Electronics circuits lab	Electronics Devices and Circuits Lab
2	II B.Tech. I Sem	Network Analysis	Network Theory and Analysis
3	II B.Tech. II Sem	Digital System Design	Digital Electronics & Logic Design
4	II B.Tech. II Sem	Digital System Design Lab	Digital Electronics & Logic Design Lab
5	III B.Tech. I Sem (PE1)	Computer Organization	Computer Architecture & Organization
6	III B.Tech. II Sem	Design for Testability	Design for Fault Tolerant System
7	III B.Tech. II Sem	Principles of Computer Networks	Data Communications & Computer Networks
8	IV B.Tech. I Sem	Principles of Wireless Communication	Wireless Communications
9	IV B.Tech. I Sem	Principles of Wireless Communication Lab	Wireless Communications Lab
10	IV B.Tech. I Sem (OE1)	Electronic Measurements and Instrumentation	Electronic Measuring Instruments
11	IV B.Tech. I Sem (OE2)	Cellular and Mobile Communication	Principles of Mobile Communications

The above changes are implemented in the B.Tech ECE curriculum.

12) The overall variation of details of Course Structure regarding the II Year subjects in the UG B.Tech. ECE (R22 Regulations) in comparison with those of R18 Regulations, include:

Number of New Courses Introduced	Number of Courses Modified (Modified content $\geq 20\%$)	Number of deleted courses
2	2	Nil


24/9/22
Head of Dept., ECE
and BoS Chair