

**G. NARAYANAMMA INSTITUTE OF TECHNOLOGY AND SCIENCE
(FOR WOMEN)**

AUTONOMOUS

(Accredited by NBA of AICTE & NAAC of UGC)



Department of Computer Science & Technology

**Minutes of the Fourth Board of Studies Committee (for CST) Meeting held
at the Department of Information Technology, GNITS (for Women):**

- The Board of Studies Committee of the CST Department, GNITS, Hyderabad, has been instituted with effect from 10/08/2021 (for a period of 3 years), with the following members:
 1. Dr. I.Ravi Prakash Reddy, Professor, GNITS, HYD. - BoS Chairman
 2. Dr.K.Kamakshi Prasad , Professor of CSE, JNTU ,HYD. - University Nominee
 3. Dr.P.Krishna Reddy,Professor, IIITH, HYD. - Subject Expert
 4. Dr. Chakravaty Bhagvati, Professor, SCIS, UOH. - Subject Expert
 5. Dr. Raghavendra Kune, Scientist "AF", ADRIN, HYD. - Industry Member
 6. Dr. S.Ramacharan, Professor & HOD ,IT, GNITS, HYD. - Internal Member
 7. Mr.B.V.Prasad Babu,Assoc. Professor, IT, GNITS, HYD. - Internal Member
 8. Mr. C.Sudhakar Reddy, Assoc. Professor, IT, GNITS, HYD. - Internal Member
 9. Dr. V. Supriya, Assoc. Professor, IT, GNITS, HYD. - Internal Member
 10. Dr. Susmita Mandal, Asst. Professor, IDRBT, HYD. - Alumnae Member

- The 4th Board of Studies Meeting of the Department of CST, GNITS (UGC Autonomous), Hyderabad, has been conducted on 27/07/2023, in CC-3 Lab IT Department, to finalize the syllabus for the BTech(CST) III and IV year students.

Minutes of the Fourth BoS Meeting of CST Department:



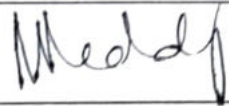
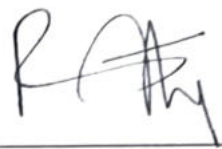






The following are the proceedings and the associated resolutions:

- 1) Dr. I.Ravi Prakash Reddy, BoS Chair, extended a cordial welcome to all the members of the BoS for CST, for the Fourth BoS Meeting of CST Department (after attaining the UGC Autonomous Status in April 2018), and introduced all the members.
- 2) The Minutes of the 3rd Board of Studies Meeting of the Department of CST, GNITS (UGC Autonomous), held during 23/9/2022 have been reconfirmed.
- 3) Approval and acceptance of the Course Structure for the B.Tech(Computer Science & Technology) III year and IV year (5th to 8th Semesters) was reconfirmed.
- 4) BoS Chair briefed the stakeholders feedback report on curriculum to the BoS members and proposed the following:
 - a. As per the feedback received from outgoing students, new courses like Devops and Full Stack Development have been introduced in the curriculum to bridge the gap between Industry and the academia.
 - b. Courses like AI and ML are offered in third year instead of final year of the B.Tech Program to strengthen the profile and skillset of students appearing for placements
 - c. As per Faculty feedback, Syllabus revision is done in following courses:
 - i. Information Security shifted to III year II Semester from IV-II
 - ii. Full stack Development Course along with lab is offered in III year -I Sem .
 - d. Keeping in view the feedback received from the recruiting companies and considering the requirements of the current market in the industry, the following new courses and other changes in the curriculum were proposed:
 - i. Computer Graphics, Microprocessors and Microcontrollers and Advanced Operating Systems as Professional Elective -2 in III year - I Sem.
 - ii. Software Project Management as Professional Elective-3 in III year - II Sem.
 - iii. Software Testing Methodologies along with Lab as Core subject in IV Year - I Sem.
 - iv. DevOps along with Lab as Professional Elective-4 in IV year - I Sem.
 - v. Design Patterns and Embedded Systems as Professional Elective-5 in IV year - I Sem.
 - vi. High Performance Computing and Natural Language Processing as Professional Elective-6 in IV year - II Sem.

e. Overall, **10 courses are deleted** from the previous Curriculum (GNR 18) and **13 new Courses** have been added to the current GNR 22 Curriculum.

- 5) After detailed discussion and review of the stakeholder report, BoS Committee resolved to approve and accept the Course Structure, Course Contents and Syllabi for the B.Tech(Information Technology) III year and IV year (5th to 8th Semesters), as listed.
- 6) Resolved to approve the List of Professional Electives, Open Electives and Service Courses (for other departments) in addition to the Core Subjects and Labs, Summer Internship (for 2 Credits) after the completion of 3rd year (before commencement of 4th year), Seminar and B.Tech. Project as specified.
- 7) BoS Committee authorized the BoS Chair to bring into effect the same in the Book of Academic Regulations, Course Structure and Syllabi, for B.Tech. (CST), for the batches of students admitted from 2022-23 Academic Year onwards.
- 8) The BoS Committee authorized the BoS Chair, 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 IT", for GNITS (for Women), Hyderabad.
- 9) The BoS Committee formally authorized the BoS Chair, to suggest the Panels of Question Paper Setters, Examiners and Evaluators required for all the Subjects/Courses offered by CST Department, and for those listed in the UG and PG Course Structures (2022).

Signatures of the Members Present :

S.No.	Name & Designation	Member Category	Signature
1	Dr. I.Ravi Prakash Reddy, Professor, IT, GNITS, HYD.	BoS Chairman	
2	Dr. K .Kamakshi Prasad Professor of CSE, JNTUCEH, HYD	JNTUH Nominee	
3	Dr.P.Krishna Reddy, Professor, IIITH, HYD.	External Member	
4	Dr.Chakravarthy Bhagavathi Professor, CIS Dept, University of Hyderabad, HYD.	External Member	
5	Dr. Raghavendra Kune, Scientist "AE", ADRIN, HYD.	Industry Member	
6	Dr. Susmita Mandal, Asst.Prof., Centre for Payment Systems, IDRBT, HYD	Alumnae Member	
7	Dr. S.RamaCharan, Professor & Head, IT, GNITS, HYD.	Internal Member	
8	Mr.B.V.Prasad Babu, Assoc. Professor, IT, GNITS, HYD.	Internal Member	
9	Mr. C.Sudhakar Reddy, Assoc. Professor, IT, GNITS, HYD.	Internal Member	
10	Dr.V.Supriya, Assoc. Professor, IT, GNITS, HYD.	Internal Member	


Dr.I.Ravi Prakash Reddy
Professor & BoS Chair

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List of New Courses

S.No	Subject Name	Year and Sem
1	Full Stack Development	III Year –I Sem
2	Advanced Computer Architecture (PE-1)	III Year –I Sem
3	Computer Graphics (PE- 2) Microprocessors and Microcontrollers (PE-2) Advanced Operating Systems (PE-2)	III Year –I Sem
4	Full Stack Development Lab	III Year –I Sem
5	Information Security	III Year –II Sem
6	Software Project Management (PE-3)	III Year –II Sem
7	Information Security Lab	III Year –II Sem
8	Software Testing Methodologies	IV Year – I Sem
9	DevOps (PE-4)	IV Year – I Sem
10	Design Patterns (PE-5) Embedded Systems (PE-5)	IV Year – I Sem
11	Software Testing Methodologies Lab	IV Year – I Sem
12	Blockchain Technologies Lab (PE-2 Lab) DevOps Lab (PE-2 Lab)	IV Year – I Sem
13	High Performance Computing (PE-6) Natural Language Processing (PE-6)	IV Year – II Sem

List of Modified Courses (Modified content $\geq 20\%$)

S.No	Subject Name	Year and Sem
1	Computer Networks	III Year – I Sem
2	Automata and Compiler Design	III Year – I Sem
3	Artificial Intelligence(PE-1)	III Year – I Sem
4	Data Mining(PE-2)	III Year – I Sem
5	Computer Networks Lab	III Year – I Sem
6	Cloud Computing(PE-3)	III Year – II Sem
7	Internet of Things Lab	III Year – II Sem
8	Blockchain Technologies(PE-4)	IV Year – I Sem
9	Mobile Application Development (PE-4)	IV Year – I Sem
10	Mobile Application Development Lab(PE-4 Lab)	IV Year – I Sem
11	Soft Computing	IV Year – II Sem

List of deleted courses

S.No	Subject Name	Year and Sem
1	Web Technologies	III Year –I Sem
2	Web Technologies Lab	III Year –I Sem
3	Cryptography & Network Security	III Year –II Sem
4	Data Mining Lab	III Year –II Sem
5	Virtualization and Cloud Computing Lab (PE-2) Machine Learning Lab (PE-2)	III Year –II Sem
6	Advanced Databases (PE-3) Human Computer Interaction (PE-3)	IV Year-I Sem
7	Modern Software Engineering (PE-4) Data Science (PE-4)	IV Year-I Sem
8	Ad hoc and Sensor Networks (PE-5)	IV Year-II Sem
9	Internet Technologies (PE-6)	IV Year-II Sem
10	Open Elective – 4	IV Year-II Sem



BoS Chair