Gokaraju Rangaraju Institute of Engineering and Technology

(Autonomous)

GRIET/CSE/B05/1E/G/20-21

04 July 2020

Minutes of Meeting

For

I and II M.Tech Computer Science Engineering

(I and II Semesters)

(For students admitted from 2020-21 as per GR20 Regulations)

Board of Studies

Held on

04 July 2020

GOKARAJU RANGARAJU INSTITUTE OF ENGINEERING AND TECHNOLOGY

(Autonomous Institute under JNTU Hyderabad)

Bachupally, Kukatpally, Hyderabad-500090

Minutes of meeting of the BOS for I and II M. Tech (I and II semesters) Computer Science and Engineering of Gokaraju Rangaraju Institute of Engineering and Technology (Autonomous). Hyderabad, held on 04-07-2020 in the online mode at 4:30pm through Ciscowebex.

Members Present:

Dr.K.Madhavi
Professor & Head, CSE
GRIET,Hyderabad — Chairman

Dr.Gollapudi Ramesh Chandra
Professor, CSE Dept
Head R&C Cell,
VNRVJIET, Hyderabad — External Expert

Dr.Aruna Rao S L
Professor & Head, IT,
BVRITH College of Engineering for Women,
Hyderabad — External Expert

Dr.D.Ramesh
Professor , CSE Dept.
JNTUH CEJ — University Nominee

Mr.P.Mohan
Sr. Data Scientist, Tech Mahindra,
Hyderabad — Industry Expert

M.Z.U.Zufesha
Software Engineer
TCS, Hyderabad — Alumni

Dr.A.Sai Hanuman
Professor , CSE,
GRIET Hyderabad

Member

Dr.B.Sankara Babu
Professor , CSE,
GRIET Hyderabad

Member

Dr. G. Karuna
Professor , CSE,
GRIET,Hyderabad

Member

Dr. G.R. Sakthidharan
Professor , CSE,
GRIET Hyderabad

Member

Dr. P. Chandra Sekhar Reddy
Professor , CSE,
GRIET Hyderabad

Member

Dr. G. Ramesh
Associate Professor , CSE,
GRIET Hyderabad

Member

Item1. M. Tech CSE Course Curriculum for 2020-21 academic year to be approved by the Academic Council is confirmed and accepted by BOS for all the subjects in all semesters of two years program.

Item2. Syllabus for I and II year (I semester and II semester) are verified and suggestions are made.

Item3. Prior to the approval from the Academic Council, the review is made on the syllabus by the industry experts and modifications are made as per suggestions made.

Item4. Active learning and blended learning strategies are incorporated into the teaching methodologies from this regulation. Also, project based learning is planned to implement from this academic year.

Dr. K. MADHAVI
B.E, M.Tech, Ph.D
Professor and HOD
Computer Science and Engineering
Gokaraju Rangaraju
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Gokaraju Rangaraju Institute Of Engineering And Technology

(Autonomous)

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Minutes of the Meeting- BoS

GRIET/CSE/BOS/1E/G/20-21 4 JULY2020

BoS Online Meeting on GR20 Regulations

BoS Chair welcomed all the expert BoS members and briefed the GR20 **M.Tech - Computer Science and Engineering** Course structure and Syllabus of M.Tech I & II years. The new course structure is designed based on the inputs from University, Industry and Subject Matter experts suggestions.

S.No	Agenda	Resolution	By Whom
1	M. Tech(CSE) I-IV Course Structure	GR20 B.Tech(CSE) Course structure is satisfactory	JNTUH Expert, Expert Members
2	M. Tech(CSE) I-IV Syllabus	In Advanced Data Structures, suggested to remove Boyer-Moore Algorithm in Unit 4. In Advanced Data Structures Lab, suggested to remove Sorting techniques and to introduce Pattern matching algorithms and Huffman coding. In Advanced Algorithms, suggested to add Shell Sort, Bucket Sort instead of Merge Sort and Quick Sorting Unit 1, and to add Boyer-Moore Algorithm in Unit 4. In Data Analytics, suggested to include R Shiny Application frame work for Business verticals in Unit 4.	JNTUH Expert, Expert Members

BoS chair concluded that GR20 M.Tech I & II year syllabus will incorporate all the suggestions by Expert members.

Coordinator BoS

BoS Chair

Dr. K. MADHAVI
B.E, M.Tech, Ph.D
Professor and HOD
Computer Science and Engineering
Gokaraju Rangaraju In

The following courses are introduced in GR18 regulations as per stakeholder's feedback and recommendations.

Course Name	Course Code	Description of the course
Artificial Neural Networks and Fuzzy Systems	GR20D5149	Students will able to provide comprehensive knowledge of fuzzy logic control and adaptive fuzzy logic and to design the fuzzy control using genetic algorithm.
Cyber Security	GR20D5150	Students will able to use knowledge of forensic tools, software Knowledge, Indian IT act and International law.
Internet of Things Architecture and Design Principles	GR20D5151	Students will able to design IoT applications in different domain and be able to analyze their performance
Research Methodology and IPR	GR20D5011	Students will train in Research Methodology and IPR so that will become Entrepreneurship.
English for Research Paper Writing	GR20D5152	Students will able to write quality research papers along with other research areas
Pedagogy Studies	GR20D5157	This course enable the students by Establishing coordination among people in order to execute pedagogy methods.
Artificial Intelligence and Neural Networks	GR20D5096	The student will be able to analyse and differentiate various searching approaches in game playing sand other applications
Data Mining	GR20D5097	The student will be able to Summarize the basic data mining tasks and various types of pattern mining.
Information Security	GR20D5098	The student will be able to analyze information security governance, and related issues.
Computer System Design	GR20D5099	The student will be able to Understand the components of the computer and its working and also basic concepts of the number system
Distributed Computing	GR20D5100	The student will be able to Compare and differentiate between different form computing techniques and computing paradigms.
Augmented Reality and Virtual Reality	GR20D5101	The student will be able to Identify fundamental techniques, processes, technologies for augmented & virtual reality applications.
Data Mining and Python Programming Lab	GR20D5102	The student will be able to Summarize different kinds of data mining functionalities and their comparison.
Image Processing	GR20D5106	The students will be able to analyze general terminology of digital image processing and image transforms.
Industrial Internet of Things	GR20D5107	The students will be able to Understand the significance of IoT in various industrial domains.
Data Analytics	GR20D5108	The students would be able to Illustrate R programming for data analytics
Cloud Computing and Applications	GR20D5109	The student will be able to Understand the key dimensions, advantages and challenges of Cloud computing.

Block Chain Technology	GR20D5110	The student will be able to Define and Explain the fundamentals of Block chain
High Performance Computing	GR20D5111	The student will be able to Improvise and recollect in the basic concepts of parallelism and gain the exposure of architectures
Data Analytics and Internet of Things Lab	GR20D5112	The student will be able to Demonstrate proficiency with statistical analysis of data.
Natural Language Processing	GR20D5135	The student will be able to demonstrate the role of natural language processing in various applications and explain language modeling
Information Storage and Retrieval	GR20D5114	The student will be able to Use IRS capabilities and information visualization technologies.
Social Media Analysis	GR20D5115	The student will be able to Classify social networks, analyze social media and networking data