



GOKARAJU RANGARAJU INSTITUTE OF ENGINEERING AND TECHNOLOGY
(Autonomous Institute under JNTU Hyderabad)
Bachupally, Kukatpally, Hyderabad-500090


Minutes of meeting of the BOS for I, II B. Tech (I and II semesters) Computer Science and Engineering of Gokaraju Rangaraju Institute of Engineering and Technology (Autonomous), Hyderabad, held on 02-07-2018 in the chamber of Principal, GRIET at 3:00 pm.

Members Present:


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


Chairman

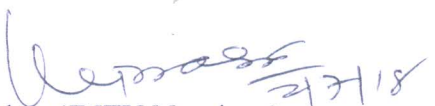
Dr. M, Seetha,
Professor of CSE,
G. Narayanamma Institute of Technology and Science,
Hyderabad.


Member (External Expert)

Dr. G. Suresh Reddy,
Professor of IT, VNR VJIET,
Hyderabad.


Member (External Expert)

Dr. V. Kamakshi Prasad,
Professor of CSE,
JNTU, Hyderabad.


Member (JNTU Nominee)

Mr. C. S. N. Prasad,
Associate Consultant, TCS,
Gachibowli, Hyderabad.


Member (Industry Expert)

Ms. S. Sinduja,
Software Engineer,
TCS, Hyderabad.

Sinduja
Alumni

Mr. C. Rohith
IV year B.Tech.

Rohith
Student Member

Dr. Ch, Mallikarjuna Rao,
Professor & HOD of CSE,
GRIET, Hyderabad.

Ch
Member

Dr. K. Anuradha
Professor of CSE
GRIET, Hyderabad.

K Anuradha
Member

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

G R Sakthidharan
Member

Dr. G. S. Bapi Raju,
Professor of CSE,
GRIET, Hyderabad.

G S Bapi Raju
Member

Mr. G. Mallikarjuna Rao
Professor of CSE,
GRIET, Hyderabad.

G Mallikarjuna Rao
Member

Dr. Y. Vijaya Latha
Professor of IT,
GRIET, Hyderabad.

Vijaya Latha
Co-opted Member

- Item1: Course structure, Syllabus subject to be approved by the Academic Council is confirmed for I, IIB.Tech (I and II Semesters) Computer Science and Engineering. Subjects of BS, HSS and EAS as confirmed by BOS of respective subjects are accepted.
- Item2: Evaluation Scheme suggested as per GR18 to be adopted.
- Item3: Panel of Examiners are suggested.
- Item4: Existing practices to be strengthened and confirmed.

As per the feedback and recommendation of stakeholders, the following courses are added in **B.Tech., Computer science and engineering - Regulations 2018**

In this modern programming era, the engineering graduates need to explore in to disruptive technologies for pervasive application development. The following courses direct in to right direction.

Name of the Course	Course Code	Description
Agile Software Process	GR18A4048	A set of methods and practices where solutions evolve through collaboration between self-organizing, cross-functional teams.
Object Oriented Software Engineering	GR18A3043	A software design technique that is used in software design in object-oriented programming.
Object Oriented Software Engineering lab	GR18A3052	Developing a software design technique that is used in software design in object-oriented programming.
Software Measurements and Metrics	GR18A4101	Metrics used to improve software development and maintenance.
Software Architecture	GR18A3104	Fundamental structures of a software system
Multi Media Applications(CSE)	GR18A4050	Developing an application which uses a multiple media sources e.g. text, graphics, images, sound/audio, animation and/or video.
Open Source Lab	GR18A2069	Source code that anyone can inspect, modify, and enhance the Source code.
Image & Video Processing	GR18A3112	A study on image and video processing.

AI, Neural networks, Soft computing and deep learning are dominating the modern web computing and march fasting into era of autonomous computing. The following courses are included to get a skill and exposure in those technologies in UG level.

Name of the Course	Course Code	Description
Artificial Intelligence	GR18A3050	Building system with human intelligence
Artificial Intelligence Techniques	GR18A3016	Building system with human intelligence with soft computing methods.
Machine Learning	GR18A4044	The field of study that gives computers the capability to learn without being explicitly programmed.
Machine Learning Lab	GR18A4054	Training the computers to learn without being explicitly programmed.
Neural Networks and Deep Learning	GR18A3103	Study of AI and algorithms with neural Networks.
Graph Theory	GR18A3048	A study on mathematical structures used to model pairwise relations between objects.
Soft Computing	GR18A4059	Science of solving problems with computers
Parallel and Distributed Algorithms	GR18A4045	Making parallel and distributed applications.

Now data are transferred in digital form in internet. This capability of transaction needs secured, encryption and control of data. The following courses help the graduates to implement with internet technologies.

Name of the Course	Course Code	Description
Computer Networks and Web Technologies Lab	GR18A3053	Study of networks and internet programming.
Cryptography & Network Security	GR18A4043	Conversion of data into a secret code in digital communication.
Cryptography & Network Security Lab	GR18A4053	Programs written for Conversion of data into a secret code in digital communication.
Data Science	GR18A4051	Recording, storing, and analyzing data in remote server.
Web Programming	GR18A3057	Programming for Internet
Micro Controller and Internet of Things	GR18A3047	Developing applications for IOT using microcontrollers.
Micro Controller and Internet of Things Lab	GR18A3054	Developing applications for IOT using kits like Arduino.

To get exposure in to practical and industrial experience, the following courses are included.

Name of the Course	Course Code	Description
Summer Internship	NA	A corporate training with practical exposure.
Mini Project with Seminar	GR18A3116	Solving of real time problems using Computer hardware, software, algorithms and methods and also to present.

The following courses will help the Engineering graduates to gain exposure and practice in decision making.

Name of the Course	Course Code	Description
Operations Research	GR18A3126	method of problem-solving and decision-making

Under Choice Based Credit System (CBCS), Any engineering graduates may select any courses, irrespective of their core branch courses. The following courses may be selected by CSE students under this scheme.

Name of the Course	Course Code	Description
Automobile Engineering	GR18A3127	Study of Concepts in Automobile for Engineers.
Building Materials and Construction Planning	GR18A2007	Course for better planning and construction.
Control Systems	GR18A2032	A system designed to control its output devices according to different input signals.
Embedded Systems	GR18A4102	A Study on combination of computer hardware and software
Green Building Technology	GR18A3128	Practice of creating structures and using processes that are environmentally responsible and resource-efficient
Introduction to Fluid Mechanics	GR18A2010	The science which deals with the study of behaviour of fluids either at rest or in motion.
Robotics	GR18A4079	Design, construction, operation, and use of robots

