



తెలంగాణ తెలంగాణ TELANGANA

S.No. 4650 Date 27.05.2023 Rs 100/-

Sold To Dr. K. Ramesh Reddy

S/o. B/o. W/o Veera Reddy R. H. d

To Whom G. Narayanamma Institute of Technology & Sciences.

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MEMORANDUM OF UNDERSTANDING (MoU)

BETWEEN

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

AND

COIGN CONSULTANTS Pvt. Ltd.

This Memorandum of Understanding ("MOU") is executed on this day **27-05-2023**:

By and between:

COIGN CONSULTANTS Pvt. Ltd, a Software Development and Training Company, Secunderabad.

And

G Narayanamma Institute of Technology Science (GNITS) (for Women), sponsored by G Pulla Reddy Charities Trust. Hyderabad.

The COIGN and GNITS (For Women) shall be hereafter individually referred to as 'Party' and collectively as 'Parties'. This MoU is executed by its authorized representatives, respectively.

Whereas COIGN has a software development division which has developed a Web Application 'knowDedge'- is an E-learning and Test taking portal, Google Android Application Development and has also established "WEBCOGNIZE" a WEBSITE and WEB APPLICATION Development Company. We believe in Technology innovation in our Training Services and being in line with latest technologies by learning and developing software applications. COIGN also has Overseas Education Consulting Division MSKOOLS, which provides University cum Visa related guidance and training for Graduate Record Examination (GRE) / Test of English as a Foreign Language (TOEFL) / International English Language Testing System (IELTS). We focus on directing students to get into the best universities and obtain the best of MS education. At the onset, we were a bunch of individuals who started off well as Engineering graduates settled in their respective fields of work and came together with a vision towards creating a one stop training solution replete with innovative learning resources and never-ending commitment.

Whereas GNITS(For Women) aims to promote technical education among women to enhance and build up a new generation of thinkers, innovators and planners in the technical realms of Science Technology GNITS received UGC autonomous status for a period of 10 years from 2018 and is affiliated to Jawaharlal Nehru Technological University (Hyderabad The institution has been accredited by NAAC The institution is approved by AICTE, accredited by NBA, and is ISO 9001 2015 Certified GNITS offers 7 B Tech Programmes in CSE, ECE, EEE, ETM, IT, CSD, CSM and 5 M Tech programmes in CSE, DECS, PEED, WMC CNIS in respective departments with 3571 students enrolled in B Tech stream and 60 in M Tech stream GNITS provides hostel facility with modern amenities catering the needs of 800 students in the campus itself GNITS campus is enabled with Wi Fi connectivity and has 500 Mbps leased line Internet The college supports skill upgrading and overall development of students through Apple Lab, IOT Centre of Excellence, EDC Cell, I Cell, Sports Club, etc This is reflected in the placementsoffered to 90 of students in 2022.

This MoU creates a platform for Mentors, Trainers, Students & Faculty to explore, innovate, get trained and develop applications which in itself give rise to a business model. This will also continuously guide students upon their Careers and also train both students and faculty in various technologies by conducting guest lectures, workshops, short-term training courses & Long term training courses in the college premises.

These short-term practical training modules when embedded into the time table and run parallel to the semester curriculum will be effective enough to transform the students into technically employable professionals and the faculty more proficient.

Initially, Apart from Career Guidance for Employability and Higher Education, we can kick start developing applications for surrounding gram panchayat offices, build websites & mobile apps for product-based companies and slowly strengthen the developing team to build complex applications.

VISION STATEMENT:

To be a part of the GNITS family and provide a ONE STOP SOLUTION for all the technical needs of a student and striving towards filling the gap between industry & academia through training and software solutions.

After undergoing our training, every student should turn out to be an ASSET not only for the college but also for the corporate.

“We develop the students into Assets, not just merely train them”

OBJECTIVES:

- ☒ To make the students accustomed to the **CORPORATE** work style through **HANDS ON** training with a **PRACTICAL INSIGHT**.
- ☒ To provide the students with a **NEVER-ENDING LOOP** of Career guidance for Employability, Entrepreneurship and Overseas Education.
- ☒ To give the students **GLOBAL EXPOSURE** on the *Up to The Minute* **TECHNOLOGIES & TOOLS** of the **INDUSTRY** by conducting various **GUEST LECTURES & WORKSHOPS**. *We even encourage internship programs.*
- ☒ To see to it that the students get equipped with **CAPABILITIES** to face any kind of **TECHNOLOGICAL CHALLENGE** from the **INDUSTRY**.
- ☒ To produce **YOUNG ENTERPERNEURS** *start their dream initiatives and gain BROAD exposure on business skills.*

Following are the various activities planned as per the MoU:

- 1) Career Guidance Workshops
- 2) Overseas Education Guest Lectures
- 3) Entrepreneurship Workshops
- 4) Life Skills Workshops
- 5) Data Structures & Advanced Algorithms
- 6) Artificial Intelligence, Machine Learning & Deep Learning
- 7) Internet of Things (IOT)
- 8) Blockchain Technology
- 9) Mean/Full Stack Development
- 10) Mobile App Development
- 11) WEB Application Development (.Net, Php, Advanced Java etc..)
- 12) Cloud Computing
- 13) Big Data
- 14) Software Testing (Manual & Automated)

Students will get trained in the above technologies and start their own development center in the college. They will also automate a few processes for few government offices in and around their college.

1) FACULTY TRAINING PROGRAM

In this program, COIGN will conduct workshops on various technologies for the faculty members from the branches that are having computers as a part of their curriculum like CSE, IT, ECM, MCA and extend this to other branches in coming days.

Objective: To enable every department staff member to be in a position to guide their students on the latest industry trends and technologies along with their curriculum. COIGN will also be responsible for conducting workshops on curriculum subjects which are not covered in the university syllabus by Subject Matter Experts (SMEs). By this program, faculty members will get a chance to see the subject beyond the boundaries of curriculum. This will make them much comfortable with subject too.

Faculty Development Program Modules

ID	Course	Objective
F001	ARTIFICIAL INTELLIGENCE (ML/DL)	Faculty should be able to develop REGRESSION algorithms for predictive analysis
F002	INTERNET OF THINGS (IOT)	Faculty should be able to develop a Raspberry KIT with Sensors and send the data to Cloud for further analysis.
F003	Block Chain Technology	Faculty should be able to develop Supply chains for various processes using Ethereum.
F004	DOTNET TECHNOLOGIES	Faculty should be able to develop web applications with database connectivity.
F004	JSP/SERVLETS, HIBERNATE & SPRING	Faculty should be able to develop web applications with database connectivity.
F005	ANDROID (MOBILE APPLICATION DEVELOPMENT)	Faculty should be able to develop mobile applications and deploy them into Mobile devices.
F006	AMAZON CLOUD WITH DOTNET OR JAVA	Faculty will be in a position to understand working with One OOP language and Cloud Services

2) STUDENT TRAINING PROGRAM

In this program, COIGN will train students across CSE, IT, ECM, MCA departments on latest cutting-edge technologies to make them industry ready assets.

Objective: To focus on reducing the gap between the Industry and Academics Students are the future engineers; they should be trained on vital industry skills, in the campus itself. This will always give a better chance for more number of students getting employed into relevant industry. COIGN will also, closely work with leading IT firms, understand their needs and expectations from fresh graduates and mould the graduates accordingly.

Course name	Case Study
Data Structure	Mini Google Search Engine
Algorithms	Real Time Algorithms: (low fare routing, compression algorithms and disk Scheduling OSlevel algorithms Case study:Low Cost Routing application of a given Countries-Cities and Compression of files
Web Development Using Advanced Java	Case Study: Online Attendance system & Web based Snakes & Ladders Online Game
Advanced Programming (Perl& Python)	Case Study: Natural Language Interface to Databases (NLIDB)
Android Applicationdevelopment	Case Study: College Phone book, Real timeUtilities.
PHP with MYSQL	Case Study: Online Student management systemfor college
Amazon Cloud Computing withAndroid	Case Study: Cloud based Recycle bin
Web application Developmentusing Dotnet	Case Study: Automate mobile results from JNTU, Automating college Transport department
System based applications usingDotnet	Case Study: Billing generated applications in Supermarkets
Cloud Computing with Dotnet /Java	Case Study: Cloud Records
J2ME and Servlets	Case Study: Save lives (A blood donation campsystem)
Dotnet Certification & SCJP	
Network Certification (A+ andN+)	
Oracle Certification	
Artificial Intelligence (ML/Deep Learning)	
Internet of Things (IOT)	

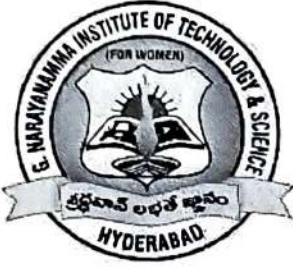
3) WORKSHOPS

Workshop Name	Contents
Software System Design	All UML diagrams Case Study: Online Examination portal
IT Workshop	Productivity Tools (word Processor, Presentationtools, Spread Sheets) Computer Workshop: (PC Hardware Assembling, System & Application Software Installation, Trouble Shooting) IT - Business Plan: (What is an "Investor Ready" Business Plan, Management, Customers, Product/Service Description, Marketing Plan, Barriers to Entry)
Database Management Systems	DB Designing of Metro-Railways HYD
Cloud Computing	Working with Amazon Cloud Computing
Android App Development	Basic DB based apps
Android with Cloud Computing	Case Study: Working with AWS
Cloud to Device	Case study: Message app from Google CDM Service
Data Mining	Case Study: Working with Weka tool, working with chess data set.
Dotnet with Cloud Computing	Case Study: Work with S3 and SimpleDB to make a music player online
Facebook apps	Working with Facebook apps
Webworks	Case Study: Build a personal website and host it in live.
Android for Education	Case Study: Attendance system on Tablet
Blackberry for Education	Case Study: Voting on Mobile
Testing tools	
Artificial Intelligence (ML/DL)	
Internet Of Things (IOT)	
Block Chain Technology	
BIG DATA & NOSQL	

NOTE:

1. All the training programs conducted will be executed with 95% hands - on training methodology.
2. Guest Lectures & Workshops will be conducted every semester to create exposure towards various latest technological concepts & research topics.

“GNITS COE SHOULD CREATE PLATFORM FOR GUIDING STUDENTS TO REACH THEIR CAREER GOAL AND IMPROVE THE OVER ALL PERSPECTIVE, SKILL AND EXPOSURE OF THEIR PERSONALITY.”



IN WITNESS WHEREOF, the parties hereto have caused this MoU to be signed in their respective names on this date.

Authorized Signatory

Name: **K. Durga Naveen Kumar**

For **COIGN CONSULTANTS PVT. LTD.**
Designation: **Founder & CEO.**

Date:

DIRECTOR

Authorized Signatory

Name: **Dr. K. Ramesh Reddy**

Designation: **Principal, GNITS**
G. Narayanamma Institute of Technology & Science (for woman)
(AUTONOMOUS)

Date:

Shaikpet, Hyderabad - 500 104

Witnesses

Signature:

Name:

Dr. I. Ravi Prakash Reddy

Designation: **Professor - Dept. of Information Technology**
Dean - Placements and Corporate Relations

G. Narayanamma Institute of Technology & Science (For Women)
Shaikpet, Hyderabad-500 104.

Signature:

Name:

Designation: