

GDC FALAKANUMA, HYDERABAD
DEPARTMENT OF PHYSICAL SCIENCE
(Networking & Mobile Application Development)
(2021-2022)

VISION

To provide adequate Networking and Mobile Application Development skills required that would incorporate specific job roles along with broad based general education.

MISSION

To ensure the learners have adequate skills, make them work-ready and enhance the employ-ability of the graduate students.

PROGRAMME EDUCATIONAL OBJECTIVES

- 1: Demonstrate ability to adapt to a rapidly changing environment by having learned and applied new skills and new competencies.
- 2: Acquire the spirit of compassion, kinship and commitment for National Harmony.
- 3: Progressively adopt and learn continuously through ICT modules.
- 4: Possess awareness and skills for lifelong learning and career development.
- 5: Incorporates the requirements of industries in a flexible manner which develop holistic and well – groomed graduates thus meeting the emerging needs of the Industry.

PROGRAMME OUTCOMES

- 1: Become knowledgeable in the subject of Computer Applications and apply the principles of the same to the needs of the Employer / Institution/own Business or Enterprise.
- 2: Gain Analytical skills in the field/area of Computer Applications.
- 3: Understand and appreciate professional ethics, community living and Nation Building Initiatives.
- 4: Acquire the knowledge of the latest networking and mobile technologies and future trends.
- 5: Synthesize principles and theories of Networking and Mobile Applications to different computing paradigms.
- 6: Develop professional skills that prepare the students for employment and for life-long learning in specific areas of Networking, Mobile Applications and related fields.
- 7: Bridge the potential skill gap identified between the Institution and Industry.
- 8: Provide vertical mobility to students

PROGRAMME SPECIFIC OUTCOME

- ☒ Apply the knowledge of Networking and Mobile Application Development in the domain of Banking, Insurance, Health, Robotics, Environment and Biology
- ☒ Solve the complex problems in the field of Networking and Mobile Application Development with an understanding of the societal, legal and cultural impacts of the solution.
- ☒ Identify core networking and mobile application development concepts and the role they serve; and given requirements and constraints, design an IT infrastructure including devices, mobile applications, topologies, protocols, systems software, management and security.

- Form a part of member in a team with right attitudes.

Course Code& Title	C PROGRAMMING		
Class	(Networking& Mobile Application Development)	Semester I,II &III	Total Hrs: 30
Course Objectives	<p>The Course aims</p> <ul style="list-style-type: none"> To inculcate programming skills and the fundamentals of C Language. To impart the knowledge about the pointers, arrays, control statements and I/O Statements. To study the advantage of user defined functions and program structure. To understand the file types and file operations. 		

SYLLABUS

UNIT	Content	No. of Hours
I	Introduction: The C Character Set – Identifiers and Keywords. Data Types – Constants – Tokens - Variables and Arrays – Declarations – Expressions – Statements – Symbolic Constants. Operators and expressions: Arithmetic Operators – Unary Operators – Relational and Logical Operators – Assignment Operators – The Conditional Operator – Library Functions.	3
II	Input and output statements: Single Character Input- getchar Function– Single Character Output – putchar Function – Entering Input Data- scanf Function – Writing Output Data – printf Function– Gets and Puts Function – Interactive Programming. Control statement: If statement – If else. Looping: For – While – do While – nested looping	3
III	Functions: Defining a Function – Accessing a Function – Function Prototypes – Passing Arguments to a Function – Recursion. Program structure: Storage Classes – Atomic Variables – Global Variables- Static Variables. Arrays: Defining an Array –Processing an array - Passing Arrays to Functions –	3

	Multidimensional Arrays.	
IV	Strings: Defining a String – NULL Character – Initialization of Strings – Reading and Writing a String – Processing a String – Searching and Sorting of Strings. Pointers: Pointer Declarations – Passing Pointers to a Function – Dynamic Memory Allocation and Array of Pointers. Structures and unions: Definition of Structures – Processing a structure – Structure within structure User-Defined Data Types – Structures and Pointers – Passing Structures to Functions – Unions.	3
V	File handling: Opening and Closing a File – Reading and Writing a Data File – Processing a Data File – Unformatted Data Files - Concepts of Binary Files. Low level programming: Register Variables – Bitwise Operations – Bit Fields. Additional features of C: Enumerations – Command Line Parameters.	3

SYLLABUS

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References	<p>Text Book: 1. Byron Gottfried, "Programming with C", McGraw Hill Education(India) Pvt Ltd., Third Edition, 2013.</p> <p>Reference Books: 1. YashavantKanetkar "Let us C", BPB Publications, 9th Revised &Updated edition, Tata McGraw Hill, 2013. 2. Venugopal K.R, Sudeep R.P, "Programming with C", TataMcGraw Hill, 2000.</p>
Course Outcome	<p>On completion of the course, student should be able to : CO1: Read, understand and trace the execution of program written in CLanguage. CO2: Implement program with pointer, array, structures and files. CO3: Choose the data representation format based on the requirement of theProblem. CO4: Analyze and construct files and manipulate them.</p>



Government Degree College
Falaknuma Hyderabad-53
(Email: gdcfalaknuma@gmail.com)

Date: 1/2/2022.

To
The Principal
Government Degree College
Falaknuma, Hyderabad-53

Sub: - PHYSICS Department- Permission for conducting an Certificate Course on NETWORKING & MOBILE APPLICATION DEVELOPMENT -Request- Regd.

Sir/ Madam

The PHYSICS Department is planning to conduct Certificate Course on topic NETWORKING & MOBILE APPLICATION DEVELOPMENT from 7/2/2022 to 28/2/2022 total 15 days and 30 hours.

I request you to permit us to conduct the course and sanction an amount

I shall be thankful to you for the same.

Yours Truly

V. Suman
V. Suman
H/o dept of physics.

Head of the Department
Department of Physics
GDC, Falaknuma, Hyd.

Government Degree College

Falaknuma, Hyderabad-53


Department: PHYSICS From 7/2/2022 to 28/2/2022

Certificate Course: NETWORKING & MOBILE APPLICATION DEVELOPMENT.

List of Students

S.No	Name	Class	Roll No.	Signature
1	SYED SAMREEN	B.Sc III	191119-441-102	S. Samreen
2	VAKILI PAVAN KUMAR	B.Sc III	-1025	Vakili Pavan
3	MOHD ABDUL ADIL	B.Sc III	191118-462-010	M. Adil
4	BESTHA THIMAPPA	B.Sc III	1911-119-468-002	Bestha
5	S. VINAY	B.Sc III	468-005	S. Vinay
6	MO NAUSAD ALAM	B.Sc III	468-009	Nausad
7	MOHD SUHAIL SHARIF	B.Sc III	468-015	Suhail
8	S. ADITYA NARAYAN	B.Sc III	468-019	Aditya
9	SYED ASAD	B.Sc III	468-023	Syed Asad
10	KETHAVATH VINOD	B.Sc III	441-006	Vinod
11		B.Sc III		
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PRINCIPAL (FAC)
Principal
Govt. Degree College
Falaknuma, Hyderabad.


V. Subhan
Ble dept of physics
Organiser

Head of the Department,
Department of Physics
GDC, Falaknuma, Hyd.

Government Degree College


Falaknuma, Hyderabad-53


Department: PHYSICS

From 7/2/22 to 28/2/22

Certificate Course: NETWORKING & MOBILE APPLICATION DEVELOPMENT

S.No	Roll No	Name	Qualified or not	Certificate Signature
1	19-1119-441-024	SYED SAMREEN	QUALIFIED	S. Samreen
2	19-1119-441-025	VAKITI PAVAN KUMAR	QUALIFIED	Vakiti Pavan
3	19-1119-468-010	MOHID ABDUL ADIL	QUALIFIED	M. Abdul
4	19-1119-468-002	BACCHA TIMMAPPA	QUALIFIED	Bcbs
5	19-1119-468-005	S. VINAY	QUALIFIED	vinay
6	19-1119-468-009	MO NAUSAD ALAM	NOT QUALIFIED	—
7	19-1119-468-015	MOHD SHAIL SHARIF	NOT QUALIFIED	—
8	19-1119-468-019	S. ADITYA NARAYAN	QUALIFIED	Aditya
9	19-1119-468-023	SYED ASAD	QUALIFIED	Asad
10	19-1119-441-006	KETHAVATH VINOD	QUALIFIED	Havath
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PRINCIPAL(FAC)
Principal
Govt. Degree College
Falaknuma, Hyderabad.


Organiser D/c dept of physics
Head of the Department
Department of Physics
GDC, Falaknuma, Hyd.

Government Degree College

Falaknuma, Hyderabad-53

APPLICATION DEVELOPERS

Department: PHYSICS

Certificate Course: NETWORKING & MOBILE

From: 7/2/2022 to 28/2/2022

Feedback of Students

S.No	Roll Number	Name	Feed Back
1	19-1119-441-024	SYED SAMREEN	Section was good
2	19-1119-441-025	VAKITI PAVANKUMAR	Excellent
3	19-1119-468-610	MOHD ABDUL ADIL	Good
4	19-1119-468-002	BESHA TIMMAPPA	Nice
5	19-1119-468-008	S. VINAY	Excellent
6	19-1119-468-009	MD. NA USAD ALAM	V. good
7	19-1119-468-015	MOHD SOHAIL SHARIEF	V. Nice.
8	19-1119-468-019	S. ADITYA NARAYAN	good
9	19-1119-468-023	SYED ASAD	Excellent
10	19-1119-441-006	KETHAVATHI VINOD	Nice understanding
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**Government Degree College
Falaknuma, Hyderabad-53**

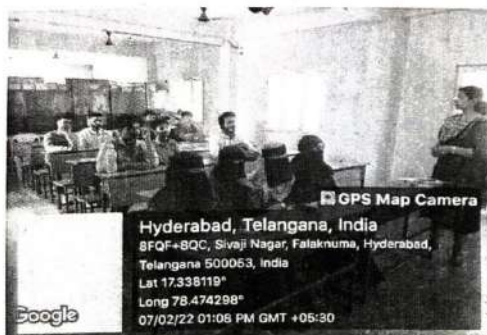
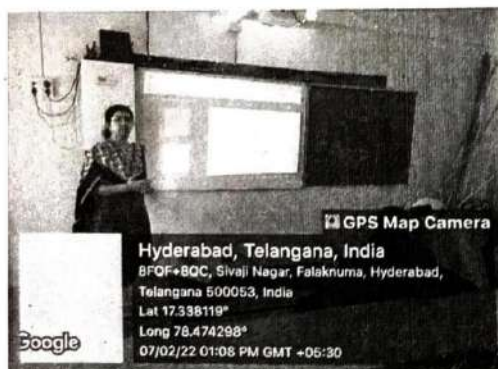
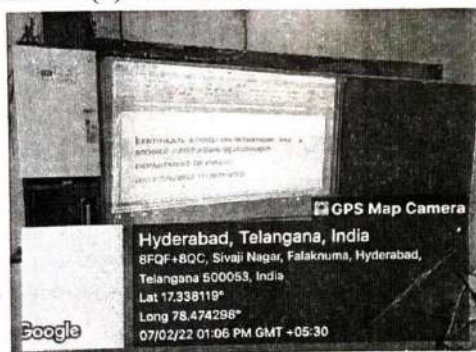
Department: PHYSICS

Certificate Course: NETWORKING & MOBILE APPLICATION DEVELOPMENT

Report

The knowledge of networking and mobile applications development in the domain of Banking insurance, Health, which helped to gain and awareness on this Certificate Course. could identify core networking and mobile application development concepts and the systems software and security with this course. Students enlightened.

Photos (4) Small Size




PRINCIPAL(FAC)
Principal
Govt. Degree College
Falaknuma, Hyderabad.

V.S.W.
The Dept of Physics
Organiser
Head of the Department
Department of Physics
GDC, Falaknuma, Hyd.