GOVERNMENT COLLEGE
KASARAGOD

VIDYANAGAR, KASARAGOD, KERALA, 671123

www.gck.ac.in

NAAC 3RD CYCLE ACCREDITATION

ICT/COMMUNICATION SKILL PROGRAMMES

2018-19

1. Three Day Workshop on E-Content Development

Organized by: IQAC, NAAC Committee GCK & EMMRC Mysore University

Sponsored by: Directorate of Collegiate Education, Government of Kerala

Date: 13-15 December 2018

Venue: Government College Kasaragod, Kasaragod, Kerala

Resource Persons:

- Syed Kaleem
- Dr. Sreekantachar
- Dr Balakrishna B. M.
- Dr Jijo P U

Participants:

Teaching faculty from various colleges in Kerala

Outcomes:

The participants gained an understanding of the different aspects of e-content development, including the different types of e-content, the tools and technologies used to develop e-content, and the process of online publishing and management of e-content.

Name and Signature of the Principal
Dr.Ananthapadmanabha.A.L

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Date.............

The participants also gained hands-on experience in developing e-content using various tools and technologies.

Overall, the workshop was a success and the participants benefited from the training they received.

Day 3 - December 15, Saturday

10.00 a.m. - 1.00 p.m.

Online publishing of e-content by participants and familiarisation of various LMS tools:
 Led by Syed Kaleem & Dr. Sreekantachar

1.45 p.m. - 3.15 p.m.

E –Content Management:
Dr Balakrishna B. M.
Government College Kasaragod

3.30 p.m. - 4.45 p.m.

Digital Literacy for the Teaching Community:
Dr Jijo P U
Government College Kasaragod

CONTACT US

98950 86310
iqac@gck.ac.in
www.gck.ac.in

IQAC & NAAC COMMITTEE

Government College Kasaragod

Three - Day
Workshop
on
e-Content Development

*in association with
EMMRC, MySore University*

December 13 - 15, 2018

Sponsored by
Directorate of Collegiate Education,
Government of Kerala

Name and Signature of the Principal
Dr.Ananthapadmanabha.A.L

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ABOUT THE WORKSHOP

Digital Learning is reshaping education. ... There are also new skills that students must learn, such as digital literacy. The traditional model of teachers lecturing in the classroom and students completing practice and homework on their own is changing. The IQAC of Government College Kasaragod is organising a three-day workshop during 13 -15, December 2018 to enable our teachers with the digital pedagogy. Experts from the EMMRC of Mysore University will lead the workshop. We invite all our faculty to be part of the workshop. Let us learn, teach and inspire together.

Dr. Aravind Krishnan. K. Dr. Balakrishna B. M.
Principal   Co-Ordinator

Dr Hari Kurup K. K.   Dr Jijo P. U.
NAAC Co-Ordinator   IQAC Co-Ordinator

THE PROGRAMME

Day 1 - December 13, Thursday

9.30 a.m. - Inauguration

10.00 a.m. - 11.30 a.m.

E-content and MOOC
 Syed Kaleem
EMMRC Mysore

11.45 a.m. 1.15 p.m.

Development of e-content
Dr. Sreekantachar
EMMRC Mysore

1.45 p.m. - 3.15 p.m.

Elements of Multimedia
 Syed Kaleem
EMMRC Mysore

3.15 p.m. - 4.45 p.m.

TV Production Techniques
Dr. Sreekantachar

Day 2 - December 14, Friday

10.00 a.m. - 11.30 a.m.

Preparation of e-content sample script
Resource Person:
 Group I - Syed Kaleem
Group II - Dr. Sreekantachar

11.45 a.m. - 1.15 p.m.

Presentation of e-content before the camera by participants
Resource Person:
 Group I - Syed Kaleem
Group II - Dr. Sreekantachar

1.45 p.m. - 3.15 p.m.

Preview of e-content development of Group I and feed back by experts

3.30 p.m. - 4.45 p.m.

Preview of e-content development of Group II and feed back by experts

Get in touch and find out how you can excel in today's world of digital pedagogy.

Learn modern digital content creation and curriculum design tools.

.... the E-Content Development Workshop

Information Communication Technology (ICT) is essential for the Higher Education sector today. Hence the NAAC Committee of our college in association with the IQAC is organising a Three-Day workshop on e-Content Development for the faculty members of our College. Resource Persons from the Educational Multimedia Research Centre, University of Mysore will be engaging the sessions along with the camera and editing unit. The follow up sessions will be engaged by the local resource persons.

Day/date	Morning Session		Lunch	Afternoon Session	
Day One 13-12-2018 Thursday	1000-1130 E-content and MOOC by Syed Kaleem EMMRC Mysore	1200 to 1.30 Development of e-content By Dr. Sreekantachar EMMRC Mysore		2 to 3.30 Elements of Multimedia by Syed Kaleem EMMRC Mysore	4 to 5.30 TV Production Techniques by Dr. Sreekantachar EMMRC Mysore
Day Two 14-12-2018 Friday	Preparation of e-content sample script Resource Person: Group I - Syed Kaleem Group II - Dr. Sreekantachar EMMRC Mysore	Presentation of e-content before the camera by delegates. Resource Person: Group I - Syed Kaleem Group II - Dr. Sreekantachar EMMRC Mysore	1.30 to 2PM	Preview of e-content development of Group I and feed back by experts	Preview of e-content development of Group II and feed back by experts
Day Three	1000-1130 E-Content Management by Balakrishna B. M.	1200 to 1.30 Digital Literacy By Dr Jijo P. U.		2 to 3.30 Learning Platforms & E-publishing By Jasim S, Gr. 1 Librarian, St. Stephen's College Uzhavoor	4 to 5.30 Digital Library & Plagiarism by By Jasim S, Gr. 1 Librarian, St. Stephen's College Uzhavoor

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Government College Kasaragod

Workshop on E-Content Development
Organised by
NAAC Committee & IQAC
On
13 - 15 December 2018

SL No.	NAME & ADDRESS	PHONE/EMAIL	13/12/2018 FORENOON	13/12/2018 AFTERNOON
1.	Abdul Rahiman Riyas TA Guest Lecturer Dept. of Arabic, Government College Kasaragod	9746916331 Riyasperal85@gmail.com		
2.	Abdul Razak P Assistant Professor Dept. of Arabic, Government College Kasaragod	9495829728 rasakedakkara@gmail.com	*(signature)*	*(signature)*
3.	Mohammad Aslam Assistant Professor Dept. of Arabic, Government College Kasaragod	9809288603 aslamachamu@gmail.com	*(signature)*	*(signature)*
4.	Mohammed Riyas K.V. FDP Substitute Lecturer Dept. of Arabic, Government College Kasaragod	9744887575 muhammadriyaskv@gmail.com	*(signature)*	*(signature)*
5.	Maimoonath Beevi Y.P. Assistant Professor Dept. of Botany, Government College Kasaragod	9746490518 maimnyp@gmail.com	*(signature)*	*(signature)*
6.	Dr. Unnikannan P. Guest Lecturer Dept. of Botany, Government College Kasaragod	8113946159 uneeeka@gmail.com	*(signature)*	*(signature)*
7.	Satheesh Kumar K.V. Assistant Professor Dept. of Chemistry, Government College Kasaragod	9447547331 Satheeskv1972@gmail.com	*(signature)*	*(signature)*
8.	Rajesh R. Assistant Professor Dept. of Commerce, Government College Kasaragod	9497361347 rajeshvadamon@gmail.com	*(signature)*	*(signature)*
9.	Amitha M. Guest Lecturer Dept. of Computer Science, Government College Kasaragod	9809310872 Amithamurali07@gmail.com	*(signature)*	*(signature)*

Name and Signature of the Principal
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(Seal: GOVERNMENT COLLEGE Date........ KASARAGOD)

Government College Kasaragod
Workshop on E-Content Development
Organised by
NAAC Committee & IQAC
On
13 - 15 December 2018

SL No.	NAME & ADDRESS	PHONE/EMAIL	13/12/2018 FORENOON	13/12/2018 AFTERNOON
19.	Leena P Guest Lecturer Dept. of Hindi, Government College Kasaragod	8281456281	*(signed)*	
20.	Dr. Vinayan T. Assistant Professor Dept. of History, Government College Kasaragod	9495827783 vinaybrennen@gmail.com	*(signed)*	*(signed)*
21.	Deepa K. Assistant Professor Dept. of History, Government College Kasaragod	9497137115 magalathdeepanairk@gmail.com	*(signed)*	*(signed)*
22.	Vijayan K. Assistant Professor Dept. of History, Government College Kasaragod	9496846886 adheenav@gmail.com	*(signed)*	*(signed)*
23.	Shridhara N. Assistant Professor Dept. of Kannada, Government College Kasaragod	9446433835 shridharayethadka@gmail.com	*(signed)*	*(signed)*
24.	Vedavathi S. Assistant Professor Dept. of Kannada, Government College Kasaragod	9633848460 Vedavathis704@gmail.com	*(signed)*	*(signed)*
25.	Babitha A F.D.P. Substitute Dept. of Kannada, Government College Kasaragod	9633957423 babithaacharya@gmail.com		
26.	Sujatha S. Assistant Professor Dept. of Kannada, Government College Kasaragod	9895478090 shivasuja77@gmail.com		
27.	Dr. Rathnakara M. Assistant Professor Dept. of Kannada, Government College Kasaragod	9446095543 rathnakaramallamoole@gmail.com	*(signed)*	*(signed)*

Government College Kasaragod
Workshop on E-Content Development
Organised by
NAAC Committee & IQAC
On
13 - 15 December 2018

SL No.	NAME & ADDRESS	PHONE/EMAIL	13/12/2018 FORENOON	13/12/2018 AFTERNOON
28.	Unnikrishnan P Assistant Professor Dept. of Malayalam, Government College Kasaragod	9846375808 unnikrishnanpang.p@gmail.com	*(signed)*	*(signed)*
29.	Divya V. Assistant Professor Dept. of Malayalam, Government College Kasaragod	9539584499 divyakalengode@gmail.com	*(signed)*	
30.	Riju S. Kumar Assistant Professor Dept. of Mathmatics, Government College Kasaragod	9995714873 rijuskmr@gmail.com	*(signed)*	*(signed)*
31.	Sreekala V.P. Assistant Professor Dept. of Political Science, Government College Kasaragod	9495376686 sreesreesree.kala@gmail.com	*(signed)*	*(signed)*
32.	Dr.Reeba Kathiran Guest Lecturer Dept. of Sanskrit, Government College Kasaragod	829453063 reebaKathiran@gmail.com		
33.	Abdul Jaleel K Assistant Professor Dept. of Zoology, Government College Kasaragod	9995417121 jaleelabdul@gmail.com	*(signed)*	
34.	Dr. Thomas George Assistant Professor Dept. of Zoology, Government College Kasaragod	9446707902 shellbilogy@gmail.com	*(signed)*	*(signed)*
35.	Sreenath B Guest Lecturer Dept. of Mathematics, Government College Kasaragod	9526383815 sreenathmaths@gmail.com	*(signed)*	*(signed)*

Name and Signature of the Principal
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Government College Kasaragod
Workshop on E-Content Development
Organised by
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13 - 15 December 2018

SL No.	NAME & ADDRESS	PHONE/EMAIL	13/12/2018 FORENOON	13/12/2018 AFTERNOON
10.	Sabitha K.V. Guest Lecturer Dept. of Computer Science, Government College Kasaragod	9526022662 Sabi4ani@gmail.com	*(signature)*	*(signature)*
11.	Subhash P.P. Assistant Professor Dept. of Economics, Government College Kasaragod	9447683240 Subhashpp123@gmail.com	*(signature)*	*(signature)*
12.	Anoop Kumar M Assistant Professor Dept. of Economics, Government College Kasaragod	9496296413 anoopkumarmaniyeri@gmail.com		
13.	Rejuna C.A. Assistant Professor Dept. of Economics, Government College Kasaragod	9567198128 rejunaca@gmail.com		
14.	Sajitha Kumari M Guest Lecturer Dept. of English, Government College Kasaragod	9744357501 sajithakumariudma@gmail.com	*(signature)*	*(signature)*
15.	Richu Mathew Assistant Professor Dept. of English, Government College Kasaragod	9846357808 richuodackal@gmail.com		
16.	Nija R. Assistant Professor Dept. of English, Government College Kasaragod	9497469026 Nijar03@gmail.com	*(signature)*	*(signature)*
17.	Soumya G.S. Assistant Professor Dept. of Geology, Government College Kasaragod	7736515096 soumyageology@gmail.com	*(signature)*	*(signature)*
18.	Dr. Manoharan A.N. Assistant Professor Dept. of Geology, Government College Kasaragod	9447693860 manoharansreenilayam@gmail.com	*(signature)*	

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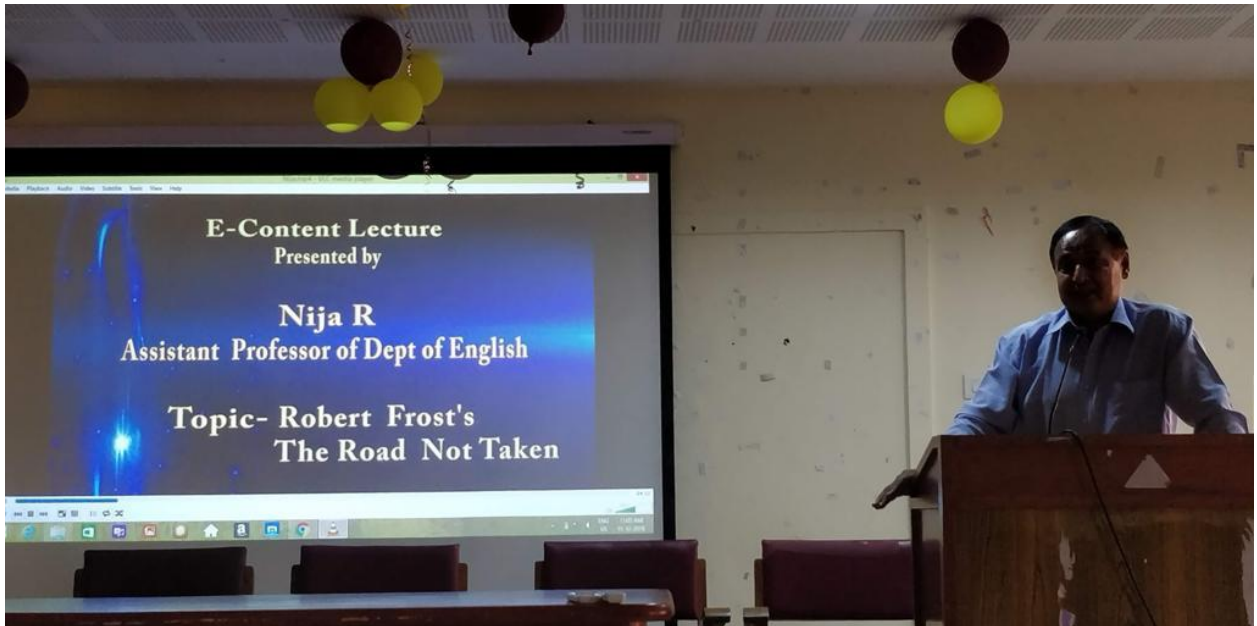
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2. Basic Computer Programming

About the program

- Programming languages
- Syntax
- Data types
- Input and output
- Coding style
- Projects

DURATION :15 Hours

Contact

Dr.Jijo P.U.
Assistant Professor
Department of Physics
Goverment College Kasaragod

Contact: 9495122006

Email: physics@gck.ac.in

For BSc Physics Students

Basic
Computer
Programming

2018 July 7th Onwards

Name and Signature of the Principal
Dr.Ananthapadmanabha.A.L

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Date.............
KASARAGOD

Attendance Sheet

STUDENTS' ATTENDANCE REGISTER

GOVT. COLLEGE, KASARAGOD

MONTH.................... YEAR....................

Sl. No.	Roll No.	NAME
1		Ayshath Shifa
2		Fathimath Infema Izzath
3		Hafiya. H.M
4		Manvanath Nihala.N.A
5		AnuSree. A
6		Arya Raj
7		Ayshath Sharfeena
8		Dhanya Sree M.K
9		Farsana A.A
10		Halumath Thameema TE
11		Mrudula. N.A
12		Pinky. K
13		Prasanakumari J.K
14		Sangeetha. M
15		Sneha. M
16		Sreelakshmi K.V
17		Anand. A.N
18		Shruthi. P
19		Pavankumar C.S
20		Anusha. J
21		Gopika. A.K
22		Haseena. H.A
23		Priyanka Vijayan
24		Shilpa. A
25		Sumithra M.B
26		Akhil Kumar A
27		Akshay kumar. A
28		Trshnu. P
29		Madhuraj. K
30		Nandu. P. Balan
31		Nijesh Kumar. T
32		Sani Thomas. M
33		Shami Raj. M
34		Shinas. H
35		Faseelath Shifana.R
36		Aswathi

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2019-20

1.National Workshop on "Python Programming, Parallel Computing and IoT"

Report:

The workshop consisted of six sessions which gave basic knowledge of the latest technologies and hands on experience to the registered candidates. First three sessions held on December 3 were handled by Prakasha M, Asst. Professor, Dept. of Computer Science,Mangalore University and was about Python programming. At the end of the day an open forum was also there. Session 4 was about the Internet of Things by Vimal Krishnan V R,

Founder and COO, ScrumField Solutions Pvt. Ltd. and session 6 was on the topic Parallel Computing using OpenMP by Dr. Rajesh R, HoD of Computer Science, Central University of Kerala. 20 students attended the workshop and gained knowledge and hands-on experience in these areas. Mr. Rajesh Kumar N co-ordinated the programme.

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INVITED SPEAKERS

Mr. Praksha M
Asst. Professor
Dept. of Computer Science
Mangalore University

Vimal Krishnan V R
Founder & COO,
ScrumField Pvt. Ltd.
KINFRA, Trivandrum

Dr. R Rajesh
Associate Professor & HoD
Dept. of Computer Science
Central University of Kerala

WE OFFER

Python Programming

Python is an interpreted, high-level, general-purpose programming language. It is used for developing desktop GUI, application websites & web application

Parallel Computing

Parallel computing is a type of computation in which many calculations or the execution of processes are carried out simultaneously. Large problems can often be divided into smaller ones, which can then be solved at the same time.

Internet of Things (IoT)

The Internet of Things is a system of interrelated computing devices, mechanical and digital machines, objects, animals or people that are provided with unique identifiers and the ability to transfer data over a network without requiring human-to-human or human-to-computer interaction.

CONTACT US

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Government College Kasaragod
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gckcsworkshop@gmail.com
www.gckcs.ga

Scan for Registration

NATIONAL WORKSHOP
on
"PYTHON PROGRAMMING,
PARALLEL COMPUTING,
and IoT"

on
03 and 04 December 2019

at
College Auditorium,
Govt. College Kasaragod

Organised by
**Department of Computer Science
Government College Kasaragod**

Sponsored by
**Directorate of Collegiate Education
Government of Kerala**

Date..................

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Dr.Ananthapadmanabha.A.L

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ABOUT THE WORKSHOP

Dear sir/madam,

We are pleased to announce the National Workshop on Python programming, Parallel computing and Internet of Things (IoT) being organized by the Department of Computer Science, Government College Kasaragod and sponsored by the Directorate of Collegiate Education, Government of Kerala from December 03 to 04, 2019. The workshop aims to give you basic knowledge of the latest technologies and hands-on experience.

We have invited a group of academicians and industry experts to share their knowledge and experience with us. We encourage faculty members, academicians and students to join us to learn, interact and share in niche technologies.

Those who are interested to participate, may register in advance with us. We will be also sending a google form for making the registration process easy. We cordially invite you to be a part of our workshop.

Dr. Ananthapathamanabha
(Principal)

Jubeesh M K   **Rajesh Kumar N**
(Head of Department)   *(Co-ordinator)*

PROGRAMME

Day 1: Tuesday, Dec 03

9:00 AM	Registration
9:30 AM	Inaugural Session
10:00 AM	Session 1: Python Programming *by Prakasha M, Asst. Professor, Dept. of Computer Science, Mangalore University*
11:30 AM	Tea Break
11:45 AM	Session 2: Python Programming *by Prakasha M, Asst. Professor, Dept. of Computer Science, Mangalore University*
1:15 PM	Lunch Break
2:00 PM	Session 3: Python Programming *by Prakasha M, Asst. Professor, Dept. of Computer Science, Mangalore University*
3:30 AM	Open Forum

Day 2: Wednesday, Dec 04

9:30 AM	Session 4: Internet of Things(IoT) *by Vimal Krishnan V R, Founder and COO,* **ScrumField Solutions Pvt. Ltd**
11:00 AM	Tea Break
11:15 AM	Session 5: Internet of Things(IoT) *by Vimal Krishnan, Founder and COO,* **ScrumField Solutions Pvt. Ltd**
12:45 PM	Lunch Break
1:30 PM	Session 6: Parallel Computing using OpenMP *by Dr. Rajesh R, HoD of Computer Science,* **Central University of Kerala**
3:30 PM	Valedictory Function

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List of participants

	Subject	College	Designation
Ratheesh Raju	Computer Science	E K Nayanar Memmorial Govt. College Elerithattu	Teacher
Roshna Abdullah	Msc Computer science	Central university of kerala	Student
Karthik K	Electronics and communication engineering	LBS COLLEGE OF ENGINEERING KASARAGOD	Student
Mushrifa Backer P.A	iot	cuk	Student
Ayshath Ramseena CA	MSc computer science	Central University of KeralaName	Student
Rahul K	ECE	L B S COLLEGE OF ENGINEERING, KASARAGOD	Student
Harshith Kumar A	ECE	LBS COLLEGE OF ENGINEERING	Student
Khadeejath Noufeera	Msc ComputerScience	Central University Of Kerala	Student
Ebad Rahiman	BSc Botany	Government College Kasaragod	Student
Shameer A P	CS	NAM College	Teacher
Joyal Jose	BCA	Greenwood Arts And Science College	Student
Asbeena MP	Python	Green woods arts and science college	Student
sreelakshmi	computer science	St.Josephs college, pilathara	Teacher
GAUTHAM GOP.K	Python	Shree devi college mangalore	Student

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Sheeja K V	Computer Science	St. Joseph's College, Pilathara	Teacher
Sharath c	BCA	Green woods arts and science college palakunnu	Software developer
Ayshath Shamseena	Phython	Greenwoods Arts & science college	Student
Rujhana Kotyad	Python	Greenwoods Arts & science college	Student
Athira. V	Python	Green woods arts and science college	Student
Fathimath Afeefa.T	Python	Greenwoods Arts & science college	Student
suvija.K V	python	spinox innovation kannur	Student
Heena Fathima	Python	Greenwoods Arts & science college	Student
Aswin M	Electronics And Communication Engineering	LBS College of Engineering	Student
CHINTHAN M G	B Sc COMPUTER SCIENCE	CAS MANJESHWARAM	Student
safwan b	BSc Computer Sceince	IHRD College of applied science manjeshwaram kumbla	Student
Mihammed misbah	Computer science	CAS manjeshwar ,kumbla	Student
Jishnu pv	Msc cs	Collage of applied science manjeshwar	Student
Ashwin Krishna K	CSE	LBS	Student
Ajmal	Computer science	LBS college of engineering	Student
Vidyasagar v	Msc cs	CAS Manjeshwaram	Student

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Muhammed	B.com	Government collage Kasaragod	Student
Hitha	Computer science	S N college periya	Teacher

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Dr.Ananthapadmanabha.A.L

ADD ON COURSE

INTRODUCTION TO PYTHON PROGRAMMING

COMPUTER SCIENCE

2020-21

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PRINCIPAL
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1. ADD ON COURSE ON

INTRODUCTION TO PYTHON PROGRAMMING

SYLLABUS

Unit I: Features of Python, Different Methods to Run Python, Basic Elements (Objects, Expressions, Numerical Types, Strings, Variables), Comments, Indentation in Python, Input and Output in Python, import function, Operators in Python. (12 Hrs)

Unit II: Branching (if, else, elif), Iteration (while, for), range and enumerate functions, Tuples, Lists, Sets, Dictionaries, Built-in methods of lists, sets and dictionaries, Mutable and Immutable Objects.

(8 Hrs)

Unit III: Functions Definition, Function Calling, Function Arguments (Required, Keyword, Default), Recursion, Modules, Built-in Modules (math, statistics), Creating Modules, File Handling (Opening, Closing, Writing, Reading), Exceptions, Built-in Exceptions (IndexError, OverflowError, ZeroDivisionError, RuntimeError), Exception Handling. (8 Hrs)

Unit IV: Arrays in Python, Numpy Module, ndarray, Creating Arrays (array, zeros, ones, empty, linspace, arrange, random), Two-Dimensional Array, Indexing, Slicing, Iterating, Copying, Splitting, Shape Manipulation (reshape, transpose, resize), Arithmetic Operations on Arrays.   (8Hrs)

TOTAL MARKS: 50

COMPONENT	WEIGHTAGE
THEORY EXAM	40%
PRACTICAL	50%

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Dr.Ananthapadmanabha.A.L

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SUMMARY REPORT

The course titled INTRODUCTION TO PYTHON PROGRAMMING introduced for students from various streams in the college who are interested to learn python programming. 9 students who are interested in the programming from other stream joined the course. Course started on 11.08.2020 in online mode. Theory classes were discussed in the online mode and students were able to do the practical with the help of PYdroid Application. From 12th December 2020 onwards course shifted to offline mode and students could practice the programming in the computer lab of the college. We have finished the course successfully on 30st March 2021

Name and Signature of the Principal
Dr.Ananthapadmanabha.A.L

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ENROLLMENT LIST

SI.NO	REGISTER NUMBER	STUDENT NAME	SIGNATURE
1	GK19AECR021	ASHWINI M	
2	GK19AECR023	NISHMITHA RAI D	
3	GK19AECR038	POOJA MOL.K	
4	GK19AECR048	VISHAKH KUMAR.M	
5	GK19BR0004	BHUVANA	
6	GK19BR0013	SREENITHA. K	
7	GK19CGER05	ANULAKSHMI	
8	GK19CGER14	ARPITHA.H.	
9	GK19AEGR018	AKANKSH.M	

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Dr.Ananthapadmanabha.A.L

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GOVERNMENT COLLEGE
Date................
KASARAGOD

ATTENDANCE STATEMENT

GOVERNMENT COLLEGE KASARAGOD

DEPARTMENT OF COMPUTER SCIENCE

THIS ACKNOWLEDGES THAT

Recipient Name

HAS SUCCESSFULLY COMPLETED THE

INDRODUCTION TO PYTHON PROGRAMMING ADD ON COURSE
ON 30th March 2021

COORDINATOR   PRINCIPAL

DATE

Name and Signature of the Principal
Dr.Ananthapadmanabha.A.L

PRINCIPAL
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2021-22

1. ADD ON COURSE WEB DEVELOPMENT

ADD ON COURSE

WEB DEVELOPMENT

COMPUTER SCIENCE

2021-2022

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SYLLABUS

Unit I: HTML Basics Introduction to WWW and HTML, Steps for hosting a website, Structure of HTML, HTML elements and attributes, Headings, Paragraphs, Formatting tags, line breaks, Comments, Links, Images, Lists, HTML5 Semantic Elements (header, footer, nav, section, article, nav, aside). (8 Hrs)

Unit II: HTML Tables and Forms HTML Tables, HTML Forms (input, select, textarea, button, datalist), Input types (text, password, submit, radio, checkbox, date, email), Input attributes (value, readonly, disabled, maxlength, autocomplete, list, min, max, placeholder) (12 Hrs)

Unit III: CSS HTML5 form validation (required and pattern attribute of input type), Applying style to html using CSS (Inline, Internal and External CSS, Colors, Fonts, Borders, Padding, Applying style using class and id attribute). (6 Hrs)

Unit IV: JavaScript JavaScript: Introduction, data types, variables, operators, functions, arrays. Dialog boxes: Alert, confirm and prompt dialog boxes (10 Hrs)

TOTAL MARKS: 50

COMPONENT	WEIGHTAGE
THEORY EXAM	50%
PRACTICAL PROJECT	60%

SUMMARY REPORT

The course titled **WEB DEVELOPMENT** introduced for students from various streams in the college who are interested to learn python programming. 20 students who are interested in the programming from other stream joined the course. Course started on 29.07.2021. Along with theory classes practical classes are also provided to students .The evaluation of the course was mainly based on their project work to develop a webpage. On 15th October 2021 we have successfully completed the course.

Name and Signature of the Principal
Dr.Ananthapadmanabha.A.L

PRINCIPAL
GOVERNMENT COLLEGE
KASARAGOD

ENROLLMENT LIST

SI.NO	REGISTER NUMBER	STUDENT NAME	SIGNATURE
1	GK20AEGR026	ANJALI R AJAI	
2	GK20AKNR006	VIVEK.P	
3	GK20AMAR006	SANJAY KRISHNAN M T	
4	GK20CPHR02	IBADA ASHRAF	
5	GK20CPHR06	KRITHIK S N	
6	GK20CPHR12	AYSHA FIDHA.B.K	
7	GK20CPHR13	AYSHATH ANJALA	
8	GK20CPHR20	NAVANEETH SHETTY B	
9	GK20CPHR21	CHAITHRA.P.G	
10	GK20CPHR23	ABDUL JABER P A	
11	GK20AARR007	AYSHATH BASILA P B	
12	GK20AARR003	AISHATH SUHARA AZMEENA S H	
13	GK20AARR009	AYSHATH MUNABIRA	
14	GK20AARR012	FATHIMA NIDHA.R.U	
15	GK20BR0007	CLINT JOHN	
16	GK20BR0044	SUDHEESH D S	
17	GK20AECR021	KADHEEJA MEZNA N M	
18	GK20AECR022	NAFEESATH MINNA	
19	GK20AECR023	NAJA FATHIMA A A	
20	GK20AECR052	THASLEEMA T H	

Name and Signature of the Principal
Dr.Ananthapadmanabha.A.L

PRINCIPAL
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KASARAGOD

Date..............

GOVERNMENT COLLEGE KASARAGOD

ATTENDANCE STATEMENT

Name and Signature of the Principal
Dr.Ananthapadmanabha.A.L

GOVERNMENT COLLEGE, KASARAGOD
DEPARTMENT OF COMPUTER SCIENCE

THIS CERTIFIES THAT

NAME

Has successfully completed the add on course

WEB DEVELOPMENT

ON 15TH OCTOBER 2021

DATE	COORDINATOR	PRINCIPAL

Name and Signature of the Principal
Dr.Ananthapadmanabha.A.L

PRINCIPAL
GOVERNMENT COLLEGE
KASARAGOD

ADD ON COURSE

MACHINE LEARNING

COMPUTER SCIENCE

2021-22

Name and Signature of the Principal
Dr.Ananthapadmanabha.A.L

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KASARAGOD

GOVERNMENT COLLEGE
Date................
KASARAGOD

SYLLABUS

MODULE-1

Introduction to Machine Learning: Concept of learning, different types of learning; supervised learning, unsupervised learning, reinforcement learning. Setting up machine learning platform; basics of python, training, validation and testing, over-fitting and under-fitting (10 Hrs)

MODULE II

Supervised Learning: Introduction, learning a class from examples, SVM, learning multiple classes, model selection and generalization, linear regression and feature selection, Bayesian and Decision Tree learning.   (8 Hrs)

Module III

Unsupervised Learning: Introduction, clustering; mixture densities, k-means clustering, expectation maximization algorithm,spectral and hierarchical clustering, Dimensionality reduction; principal component analysis   (5Hrs)

MODULE IV

Introduction to Artificial Neural Network: Understanding brain, perceptron, Multi-Layer perceptron, general architecture of artificial neural network, feed forward and back-propagation, linear and nonlinear activation functions for binary and multi class classification.   (7Hrs)

MODULE V

Introduction to Deep Learning: Fundamentals of deep learning, Existing Deep neural networks, Regularization for Deep Learning, Optimization for Training Deep Models, Introduction to Convolutional Networks, Classification and segmentation using CNN, Sequence Modelling using Recurrent Nets, overview of LSTM, Generative adversarial network.   (14 Hrs)

TOTAL MARKS: 100

COMPONENT	WEIGHTAGE
THEORY EXAM	40%
PRACTICAL	50%
ASSIGNMENT	10%

Name and Signature of the Principal

Dr.Ananthapadmanabha.A.L
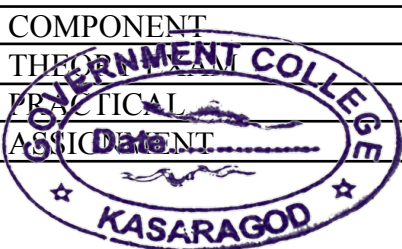
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KASARAGOD

SUMMARY REPORT

The course titled **MACHINE LEARNING** introduced for students from various streams in the college who are interested to learn python programming. 23 students who are interested in the programming from other stream joined the course. Course started on 05.12.2021. Along with theory classes practical classes are also provided to students .The evaluation of the course was mainly based on their practical knowledge. On 10th March 2022 we successfully completed the course.

ENROLLMENT LIST

ENROLLMENT LIST

Sl.NO	REGISTER NUMBER	STUDENT NAME	SIGNATURE
1	GK20CCSR01	C K YUMNA	
2	GK20CCSR02	HALEEMATH SALIMA FARISA	
3	GK20CCSR03	ABDUL RAHIMAN SHUHAIB S K	
4	GK20CCSR04	ANURAJ A	
5	GK20CCSR05	ARJUN K	
6	GK20CCSR06	KARTHIK KRISHNAN	
7	GK20CCSR07	MOHAMMAD NOUFAL	
8	GK20CCSR08	NIRMAL A V	
9	GK20CCSR09	SHREYAS.C	
10	GK20CCSR10	VIJITH T S	
11	GK20CCSR11	DHANALAKSHMI K	
12	GK20CCSR12	FATHIMA MAHJABEEN K	
13	GK20CCSR13	FATHIMATH SHAHNA K	
14	GK20CCSR14	NITHYA C	
15	GK20CCSR15	SAJNA SALEEM	
16	GK20CCSR16	SREELAKSHMI K	
17	GK20CCSR17	ABHIJITH	
18	GK20CCSR18	AVIN KUMAR	
19	GK20CCSR19	ANANYA S	
20	GK20CCSR20	SHREEJITHA S A	
21	GK20CCSR21	ACHAL B SUKUMARAN	
22	GK20CCSR22	MOHAMED RAZEEN	
23	GK20CCSR24	MAYA	

Name and Signature of the Principal
Dr.Ananthapadmanabha.A.L

PRINCIPAL
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GOVERNMENT COLLEGE
Date................
KASARAGOD

ATTENDANCE STATEMENT

Name and Signature of the Principal
Dr.Ananthapadmanabha.A.L

PRINCIPAL
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KASARAGOD

GOVERNMENT COLLEGE, KASARAGOD

DEPARTMENT OF COMPUTER SCIENCE

NAME

Has successfully completed the add on course

MACHINE LEARNING ON 10th March 2022

CORDINATOR	DATE	PRINCIPAL

Name and Signature of the Principal
Dr.Ananthapadmanabha.A.L

PRINCIPAL
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2022-23

1.CERTIFICATE COURSE IN DATA ANALYTICS

SYLLABUS

Introduction to Python (3 hours)

  - Basics of programming and Python

  - Setting up a Python environment (e.g., Anaconda)

  - Python syntax, variables, and data types

Data Manipulation and Analysis (6 hours)

  - Working with data arrays and NumPy operations

  - Data manipulation with Pandas

  - Data visualization using Matplotlib

Scientific Computing (6 hours)

  - Introduction to SciPy for scientific computing

  - Solving equations and optimization

  - Numerical integration and differentiation

Physics Simulations (6 hours)

  - Numerical simulations in physics

  - Solving differential equations with Python (e.g., ODEs, PDEs)

  - Monte Carlo simulations

File Handling and Data I/O (3 hours)

  - Reading and writing data in various formats (e.g., CSV, JSON)

  - Data preprocessing and cleaning

Final Projects and Review (6 hours)

  - Individual or group projects aligned with physics research

  - Regular project updates and peer feedback

  - Review of key concepts and skills

Assessment and Grading:

  - Class participation: 10%

  - Homework assignments: 30%

  - Midterm project: 20%

  - Final project: 30%

  - Final presentation: 10%

Recommended Textbook:

- "Python for Scientists" by John M. Stewart

Name and Signature of the Principal
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SUMMARY REPORT

The certificate course in **DATA ANALYTICS** was meticulously crafted to introduce students to the intricate realm of computational physics while acquainting them with the versatile programming language Python. This amalgamation of theory and practice sparked a palpable enthusiasm among college students, a testament to their eagerness to delve into the world of Python programming. Notably, 35 students from different departments, each harbouring a fervent interest in programming, eagerly seized the opportunity to enroll in this intellectually stimulating course. Embarking on its academic journey on 25.06.2022 the course unfolded in a traditional, face-to-face format. This instructional approach seamlessly interwove theoretical discourse with hands-on exercises, offering students a comprehensive and immersive learning experience. As the weeks progressed, the course remained a beacon of intellectual exploration, culminating in a successful conclusion on 24.09.2022. One of the most striking achievements of this course lies in its ability to empower students in grappling with intricate physical phenomena. By employing the tools of computational physics, which stands as an indispensable pillar of modern scientific research, students gained an invaluable perspective on unraveling the complexities of the physical world. This transformative experience not only broadened their intellectual horizons but also equipped them with a formidable skill set poised to shape their future contributions to scientific inquiry.

Name and Signature of the Principal
Dr.Ananthapadmanabha.A.L

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Open Data Lab - Government College Kasaragod Short Term Course on Data Analytics
2022-23
List of Selected Students

Sl. No.	Name	Department	Class
1	FATHIMA NIDHA RU	Arabic	UG Final Year
2	SIBILA BABU C	Botany	UG Final Year
3	ARYA NANDHA. E. K	Botany	UG Final Year
4	NIREEKSHA R	Botany	UG Final Year
5	HARSHITHA CH	Botany	UG Final Year
6	AMINATH SHEBEEBA	Commerce	UG Final Year
7	SHREYES C S	Commerce	UG Final Year
8	VIPINA M	Commerce	UG Second Year
9	ARJUN K	Computer Science	UG Final Year
10	FATHIMA MAHJABEEN K	Computer Science	UG Final Year
11	ABDUL RAHIMAN SHUHAIB SK	Computer Science	UG Final Year
12	CK YUMNA	Computer Science	UG Final Year
13	KRITHI RAI K	Computer Science	UG Second Year
14	SHARAFA	Computer Science	UG Second Year
15	APARNA VIJAYAN	Economics	UG Final Year
16	KADEEJATH SHAHLA	Economics	UG Second Year
17	AYSHA AYYOOB	Economics	UG Second Year
18	KHADEEJATH RASHIDHA	Economics	UG Second Year
19	FATHIMA NUHA C.R	Economics	UG Second Year
20	DEESHNA P V	Economics	UG Second Year
21	DIYA R M	Mathematics	UG Final Year
22	FATHIMA SHABEEBA	Mathematics	UG Second Year
23	SNEHA.C	Mathematics	UG Second Year
24	SNEHA R	Mathematics	UG Second Year
25	NAVYASHREE. M	Mathematics	UG Second Year
26	NAFEESHATH SAHATHA	Physics	UG Final Year
27	NANDANA NAIR	Physics	UG Second Year
28	RUMAISA	Physics	UG Second Year
29	KHURSHIDA M H	Physics	UG Second Year
30	HRIDHYA MOHAN	Zoology	UG Second Year

Name and Signature of the Principal
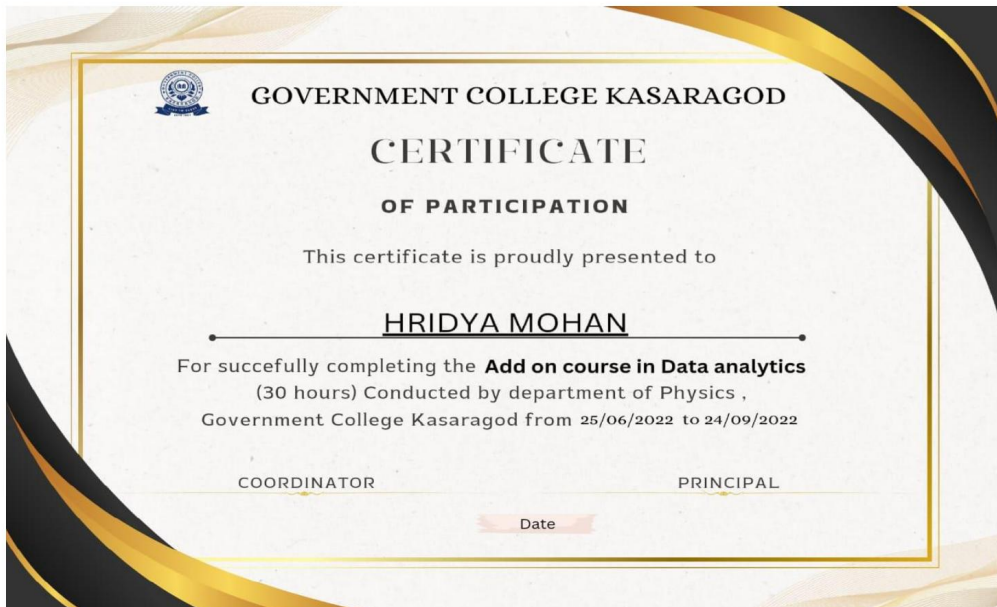Dr.Ananthapadmanabha.A.L

PRINCIPAL
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KASARAGOD

Add on Course: 2022-2023
STUDENTS' ATTENDANCE REGISTER

GOVT. COLLEGE, KASARAGOD

Sl. No.	Roll No.	NAME
1		Fathima Nidha R V
2		Sibila Babu C
3		Arya Nandha E k
4		Nireeksha R
5		Harshitha C H
6		Aminath Shebeeba
7		Shreyas CS
8		Vipina M
9		Arjun k
10		Fathima Mahjabeen K
11		Abdul Rahiman Shuhaib sh
12		C K Yumna
13		Knthi Rai k
14		Sharafa
15		Aparna Vijayan
16		Kadeejath Shahala
17		Aysha Ayyoob
18		Khadeejath Rashidha
19		Fathima Nuha C R
20		Deeshna P V
21		Diya R M
22		Fathima Shabeeba
23		Sneha C
24		Sneha R
25		Navyashree M
26		Nafeeshath Sahatha
27		Nandana Nair
28		Rumaisa
29		Khurshida. M H
30		Hridya Mohan
31		
32		
33		

GOVERNMENT COLLEGE KASARAGOD

CERTIFICATE

OF PARTICIPATION

This certificate is proudly presented to

HRIDYA MOHAN

For succefully completing the **Add on course in Data analytics**
(30 hours) Conducted by department of Physics ,
Government College Kasaragod from 25/06/2022 to 24/09/2022

COORDINATOR   PRINCIPAL

Date

Name and Signature of the Principal
Dr.Ananthapadmanabha.A.L

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KASARAGOD