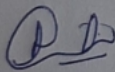


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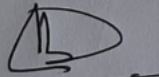
Date:30/08/2019

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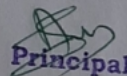
It is here by informed to all the BCA students that there will be "Guest Lecturer" conducting on 31/08/2019 at 12.00 pm to 2 pm in L.H. No 2 all the students should be present on time.



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Fax: 08352 - 261766 E-mail: bldeasbkcp@gmail.com

REF: BCA/10/19

DATE: 29/08/2019

BACHELOR OF COMPUTER APPLICATIONS

INVITATION LETTER

To,

Professor Ravi Hosur
BLDEA's Dr. P.G. Halakatti College
Of Engineering & Technology,
Bijapur-586103

Sub: Regarding Guest Lecture.

Dear Sir,

On behalf of S.B arts & K.C.P Science College, BCA Department, I am very pleased to have the honor of inviting you to deliver Guest Lecture for BCA I & III Semester Students on topic "**Programming Techniques**" On August 31, 2019 at 12:00 p.m. and 2:00 p.m.

We look forward to meeting you.

Thanking you,

Co-Ordinator
Bachelor of Computer Appli
BCA / M.Sc. Department
S.B. Arts & K.C.P. Science C
Bijapur

Principal
S.B. Arts & K.C.P. Sc. College
Bijapur.

Received

S. B. Hosur

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B.L.D.E.A's

S.B Arts & K.C.P Science College, Vijayapur.

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BCA Programme

2019-20

Report On Guest Lecture

Topic

"Programming Techniques"

Resource Person

Prof. Ravi Hosur (M.Tech)

Date: 31-08-2019

Time: 12pm to 2pm

contd.->

Description:

As the subject mentioned above the guest lecture has organized to give the complete awareness programming Techniques There's been a lot of debate about which programming language is best to understand and implement in real time applications, but, ultimately. Learning to program isn't about syntax; it's about the algorithmic thinking. It isn't about learning the commands; it's about breaking down a larger task into a number of codable steps.

it's getting students to think about the not-very-important issue of syntax when they should be thinking about the programming techniques and the steps required creating the program.

PROGRAM DESIGNING TECHNIQUES

A typical programming task can be divided into two phases:

Problem solving phase

- produce an ordered sequence of steps that describe solution of problem
- this sequence of steps is called an algorithm

Implementation phase

- implement the program in some programming language

STEPS IN PROBLEM SOLVING

1. Pseudo code
2. Algorithm
3. Flow chart

contd..

Pseudocode

Pseudocode is an informal way of writing a program. It is not exactly a computer program. It represents the algorithm of the program in natural language and mathematical notations. Usually, there is no particular code syntax to write a pseudocode. It uses simple English language.

Flowchart

Program flowchart is a diagram that uses a set of standard graphic symbols to represent the sequence of coded instructions fed into a computer, enabling it to perform specified logical and arithmetical operations. It is a great tool to improve work efficiency. There are four basic symbols in program flowchart, start, process, decision and end. Each symbol represents a piece of the code written for the program.

Algorithm

An algorithm is a step by step procedure to solve a problem. A procedure is a finite sequence of instructions, where each is carried out in a finite amount of time. Every problem can be solved with the help of an algorithm.

Programming Steps:

Every program can be reduced to four fundamental steps. These steps are

1. Initialization
2. Input
3. Processing
4. Output

Initialization Step

The initialization step is the first step you should think about when you design a program. The initialization step includes everything the program should do *before* the

Contd.

program begins interacting with the user. At first, the concept of doing things before interacting with the user might seem strange, but you've probably seen many programs that do exactly the same thing.

Input Step

The Input step is exactly what you expect it to be. It's the step that collects whatever inputs the program needs to accomplish its task. In most cases, if you think about what the program is supposed to accomplish, defining the list of inputs is fairly simple.

Processing Step

The Processing step involves acting on the inputs to produce the result desired from the program. Processing step is going to take a long time, it's usually programs that provide an estimate of the time remaining before completion. A lot of Web-based program use this approach. These situations need some form of feedback so that the user knows the program is still working.

Output Step

In a sense, this is the whole purpose of the program in the first place: to give the users an answer to whatever problem it was they wanted solved. For example, you wrote a program to calculate a monthly loan payment, just displaying the payment in a text box is all that the Output step needs to do.

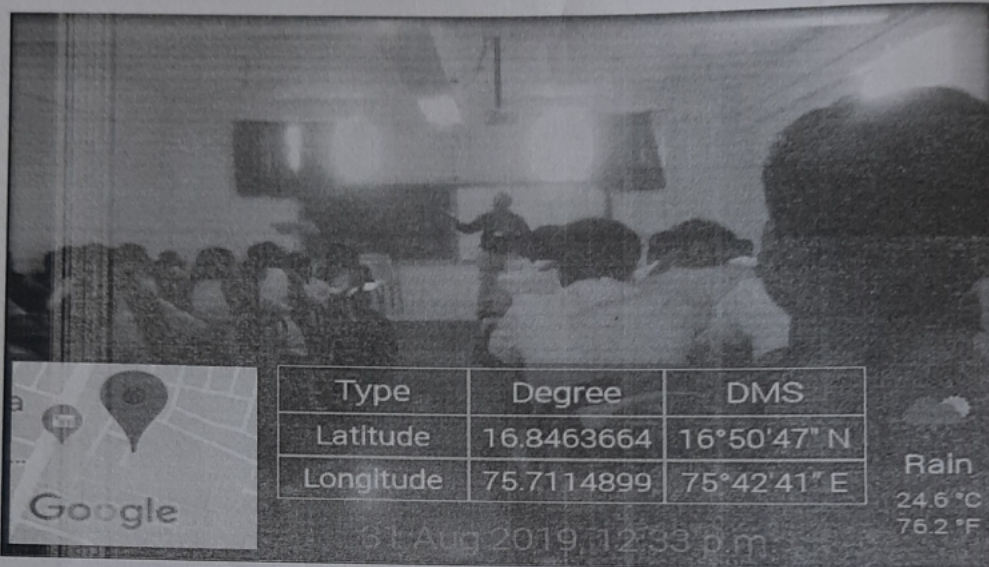
Conclusion:

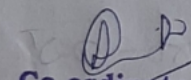
Taught the programming techniques in a unique way and made understand to solve the big task by dividing into smaller modules. The complete session was interactive session; students were involved and learnt new programming techniques to solving difficult

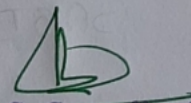
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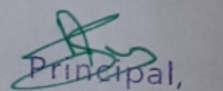
tasks very easy. At the end of the guest lecture, two students gave their feedback. We have received positive feedback from the students.

Delivering Guest lecture




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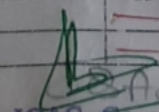
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GUEST LECTURE (2019-20)

DATE: 31/08/2019 I- SEM SUB: "Programming Technique"

| Sl No | NAME OF STUDENT | SIGN |
|-------|---------------------------------------|---------------|
| 1 | SHALINI . SHIVANAND . BANDI | Shaloni . |
| 2 | DEEPA . BHEEMANNA . KANAMADI | Ab |
| 3 | UJWAL . RAMESH . NAIK | Ab |
| 4 | AISHWARYA . SUDHAKAR . TUPPADA | Ab |
| 5 | BANASHANKARI . SIDDANNA . MAVINAMAR | Ab |
| 6 | AISHWARYA . BHIMARAO . KULKARNI | Aishwarya |
| 7 | VEENA . VIDYADHARA . DESHPANDE | Ab |
| 8 | BHAGYASHREE . GURURAJ . CHINCHOLLI | Bhagyalakshmi |
| 9 | PRIYANKA . GOUDAPPAGOUDA . SALAWADAGI | Ab |
| 10 | BASALINGAPPA . SUBHASHA . KOGANUR | Ab |
| 11 | AISHWARYA . PRAKASH . AKKI | Ab |
| 12 | SAMPATH . SHIVANANDA . KOTAGI | Ab |
| 13 | ROOPA . VIJAYAKUMAR . CHOUDAPPAGOL | R.V.C |
| 14 | UMASHREE . SANGAPPA . ATHANI | Ab |
| 15 | SHANTA . SADANANDA . CHIKKOND | Ab |
| 16 | SUHAS . RAJASHEKHAR . MOTAGI | Suhas |
| 17 | SANGAMESH . SHRIKANT . BYAKOD | Ab |
| 18 | VENKATESH . PRALHADARAO . KULAKARNI | Ab |
| 19 | CHAITRA . GANGADHARA . POOJARI | Ab |
| 20 | NIKITA . RAVI . MANCHALKAR | Ab |
| 21 | SRUSHTI . MILIND . PATIL | S.M.Patil |
| 22 | AJAY . AVVAPPA . MULLAL | Ab |
| 23 | PRIYANKA . MANOHAR . MANE | P.M.Mane |
| 24 | SATISH . SHANTAPPA . SAJJAN | Ab |
| 25 | SNEHA . JAYASING . GAYAKWAD | Ab |
| 26 | AKSHATA . GURALINGAYYA . HIREMATH | Akshata |
| 27 | DEVIKA . YALLAPPA . JANAGOND | Devika |
| 28 | VINAYAK . DYAMANAGOUDA . BIRADAR | Ab |
| 29 | DINESH . NAGAPPA . HADIMANI | Ab |
| 30 | ADITYA . SHIVAPPA . MULAWAD | Ab |
| 31 | MALVIKA . SURYAKANT . GUGGARI | Malvika |
| 32 | RAHUL . RAMESH . BAGALI | Ab |
| 33 | BHARATI . DHAREPPA . KENGAR | Ab |
| 34 | R ADARSH . R K HARIJAN . HARAIJAN | Ab |
| 35 | SUJATA . NINGAPPA . NAVADAGI | Ab |
| 36 | SWAPNALI . BHEEMARAO . JADHAV | Swapnali |
| 37 | AVINASH . TARASING . RATHOD | Ab |
| 38 | DANAMMA . SHRANAGOUDA . HANAMAGOND | Ab |
| 39 | RAGHU . HUSENI . KEMBHAVI | Ab |
| 40 | KIRAN . RAJU . MANE | Ab |
| 41 | SIDDALINGA . AMARESH . UKKALI | Ab |
| 42 | PRASAD . PRAKASH . HATTI | Ab |
| 43 | PREETI . MAHADEV . DOMANAL | Ab |
| 44 | VIRUPAKSHAPPA .S.PATTANASHETTI | Ab |
| 45 | PRABHU . SHIVAPPA . INGALESHWAR | Ab |
| 46 | KEERTI . ANNAPPA . LAMANI | Ab |
| 47 | NIKHEETA . UMESH . CHAVAN | Ab |
| 48 | RASHMI . VIJAYAKUMAR . METRI | Ab |
| 49 | RAMANNA HIREKUBURAR | Ab |
| 50 | VISHWA .A . PATIL | Ab |


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BCA Programme

GUEST LECTURE (2019-20)

| S. No | R. NO | NAME OF THE STUDENTS | SIGN |
|-------|----------|-------------------------------|---------------------|
| 1 | M1813601 | ABHISHEK MORE | <i>Ab</i> |
| 2 | M1813602 | AJEET RATHOD | <i>Ab</i> |
| 3 | M1813603 | AKSHATA KALLOLI | <i>Ab</i> |
| 4 | M1813605 | ANJANA HIREMATH | <i>Ab</i> |
| 5 | M1813606 | APEKSHA M BARAGI | <i>Ab</i> |
| 6 | M1813607 | ARAVIND KOTYALAKAR | <i>Ab</i> |
| 7 | M1813608 | ARCHANA BELLUBBI | <i>Ab</i> |
| 8 | M1813609 | ASHVINI MALANUR | <i>Ab</i> |
| 9 | M1813610 | ASHWINI BASAVARAJ WALIKAR | <i>Ab</i> |
| 10 | M1813611 | BANATTI VIJAYALAXMI APPASAB | <i>Ab</i> |
| 11 | M1813612 | DEEPA M SONNAD | <i>Ab</i> |
| 12 | M1813613 | GANGA PATIL | <i>Ab</i> |
| 13 | M1813614 | GURURAJ SHARANAPPA KUDAGI | <i>G. S. Kudagi</i> |
| 14 | M1813615 | JEUR VEERANNA GURAPPA | <i>Ab</i> |
| 15 | M1813616 | LAXMI IRAPPA MADDARAKI | <i>Ab</i> |
| 16 | M1813617 | MAHANTESH BADIGER | <i>Ab</i> |
| 17 | M1813618 | MAHIMA R RUNWAL | <i>Ab</i> |
| 18 | M1813619 | MANOJ REDDY | <i>Ab</i> |
| 19 | M1813620 | MANTESH MELINAMATH | <i>Ab</i> |
| 20 | M1813621 | MEGHA S CHANDAKAWATE | <i>Ab</i> |
| 21 | M1813622 | MOUSIN MAKANDAR | <i>Ab</i> |
| 22 | M1813623 | MUBASHIREEN ATTAR | <i>Ab</i> |
| 23 | M1813624 | MUTTAPPA HANCHANAL | <i>Ab</i> |
| 24 | M1813626 | POOJA NAGARAL | <i>Ab</i> |
| 25 | M1813627 | POOJA NIDONI | <i>Ab</i> |
| 26 | M1813628 | POORNIMA PADENNAVAR | <i>Ab</i> |
| 27 | M1813630 | RAKESH K RATHOD | <i>Ab</i> |
| 28 | M1813631 | RIYA KISHOR CHEEDA | <i>Ab</i> |
| 29 | M1813632 | SAISHAM SUNIL SHINDE | <i>Ab</i> |
| 30 | M1813633 | SALMAN KHURSHEED PATEL | <i>Ab</i> |
| 31 | M1813634 | SAMARTH BAGEWADI | <i>Ab</i> |
| 32 | M1813635 | SANGAMESH KADASIDDESHWARMATH | <i>Ab</i> |
| 33 | M1813636 | SHARAT RAVEENDRA NIDAGUNDI | <i>Ab</i> |
| 34 | M1813637 | SHASHANK KABADAGI | <i>Ab</i> |
| 35 | M1813638 | SHILPA A HONAWAD | <i>Ab</i> |
| 36 | M1813639 | SHILPA S MUNDODAGI | <i>Ab</i> |
| 37 | M1813640 | SHILPA SHAHAPUR | <i>Ab</i> |
| 38 | M1813641 | SHIVANAND BASAVARAJ HUGAR | <i>S. B. Hugur</i> |
| 39 | M1813642 | SNEHA BABALESWAR | <i>Ab</i> |
| 40 | M1813643 | SRUSHTI TILLIHAI | <i>Ab</i> |
| 41 | M1813644 | SUNDRABAI JADHAV | <i>Ab</i> |
| 42 | M1813645 | SURESH S VANI | <i>Ab</i> |
| 43 | M1813646 | VAJRASHETTI SAVITRI CHANNAPPA | <i>Ab</i> |
| 44 | M1813647 | VANISHREE MANGANAVAR | <i>Ab</i> |
| 45 | M1813648 | VIJAYALAXMI BIRADAR | <i>Ab</i> |
| 46 | M1813649 | VIJAYALAXMI GIRAGANVI | <i>Ab</i> |
| 47 | M1813650 | VINOD KUMBAR | <i>Ab</i> |
| 48 | | BHAGYASHREE | <i>Ab</i> |

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Phone: (08352) – 261766, (08352) 262770 Extn. 2223, 2224
Fax: 08352 – 261766 E-mail: bldcasbkcp@gmail.com

To:


**Prof. Ravi Hosur
Department Computer Science
B.L.D.E.A's, A Dr. P.G. Halkatti Engg. College
Vijayapur.**

Dear Sir,

Sub: Acknowledging gratitude

We do here by place a record our heartfelt thanks for your consent to be the Guest Lecture on "Programming Techniques" on Aug 31, 2019 in our B.L.D.E.A's S.B. Arts and K.C.P. Science College, Vijayapur. Your presence hightended the significant of our Lecture. We are immensely indebted you for your guidance.

Thanking your profusely with regards


**Principal
S.B. Arts & K.C.P. Sc. College
Vijapur**