NEW HORIZON
COLLEGE OF ENGINEERING

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

NEWSLETTER

ACADEMIC YEAR: 2018-2019 MAY 2019 - JULY 2019 VOLUME- 4

Dear All,

It gives me immense pleasure that the newsletter for the quarter (May 2019-July 2019) has been released. I would like to congratulate my students and faculty members for adding one more feather in the Department's cap by bringing out the newsletter for this academic quarter. This newsletter is a small step, but the step in the right direction and such endeavors will help us reach the top. As you read through the pages you will realize, that the Department had an extremely successful semester. I would like to thank all my faculty members for their tireless efforts to help the department progress at a very steady pace. Efforts of the editorial board are highly commendable.This newsletter encloses and describes the achievements of the students and faculty members from the CSE department in curricular, co-curricular and extra-curricular activities and the events organized by Department of Computer Science and Engineering

Dr. B. Rajalakshmi

HOD-CSE

Dear Reader,

First of all, I would like to congratulate the department of CSE for the publication of this quarterly newsletter. I am sure this newsletter will act as a consolidated information resource for all the events that have been organized by the CSE department in the past three months. In addition to curricular activities, NHCE prides itself in encouraging co-curricular and extra-curricular activities, and I am sure that this newsletter will encourage students to be more involved in such activities. My best wishes to the CSE Department.

Dr.Prashanth CSR

Dean Academics.

Dear All,

Technology has been growing so exponentially over recent years, there has been a steady increase in demand for bright graduates to come in and help to transform areas ranging from data infrastructure to cyber security. It is important to stay up to date with the latest trends in computer science research, to make an informed choice about where to head next. I am happy to note that Department of Computer Science and Engineering is bringing out a newsletter. I am sure that this newsletter will bring value for all the students and readers who are interested in the area of Computer Science in form of latest developments made in technology. I wish, the department all the best for the publication of the Newsletter and in all their future endeavours.

Dr. Manjunatha

Principal

MINI PROJECT COMPETITION

In order to hone the programming skills of the IV semester and to enhance the employability skills and readiness of the VI semester, CSE dept, in association with Computer Society of India, organized a mini project competition on 02/05/2019. Experts from industry were invited to evaluate nearly 45 projects. They have given very good feedback about the projects. Certificates were distributed to best projects.
The following were the Jury members:

SL.NO	NAME	DESIGNATION	COMPANY
1.	Mr. RamKumar	Senior Technology Specialist	Wells Fargo Solutions India Pvt. Ltd
2.	Mr. Muralitharan	Technical Lead	Emids Technologies Pvt.Ltd

Some of the best project & details:

SL.NO	USN	NAME	SECTION	PROJECT TITLE
1.	1NH17CS008	Aishwarya Kadali	4A	Coffee Vending Machine Simulation
2	1NH17CS123	Shruthi M	4B	DOC Analyser
3	1NH17CS754	Sriram S	4C	Catastrophe Saviour
4	1NH16CS064	Moni Krithika S	6A	Mojava Scribbler - An Educational Toolkit
5	1NH016CS086	Rahul Jain V	6B	Stock Control Market App
6	1NH16CS739	AyushBhardwaj	6C	Breast Cancer Detection Using Machine Learning

TECH FIESTA @ CAPGEMINI

NHCE Team comprising of Heads of Departments of CSE, ISE, MCA, IIC , TPOs and staff members visited Capgemini, Whitefield to attend Tech fiesta followed by leadership meeting on 31/05/2019. We were one of the five colleges who got this invitation. It was a fruitful discussion during which our 2020 batch placement and training expectations, skill set requirements, were discussed.

XV
INTERNATIONAL SPACE SUMMER SCHOOL, SAMARA UNIVERSITY, RUSSIA.

NHCE Students at Moscow State University, Moscow, Russia.

NHCE students attended the XV International Space Summer School at Samara International Research University at Russia from 15/06/2019 to 30/06/2019 with the support and sponsorship of our Chairman, NHCE.

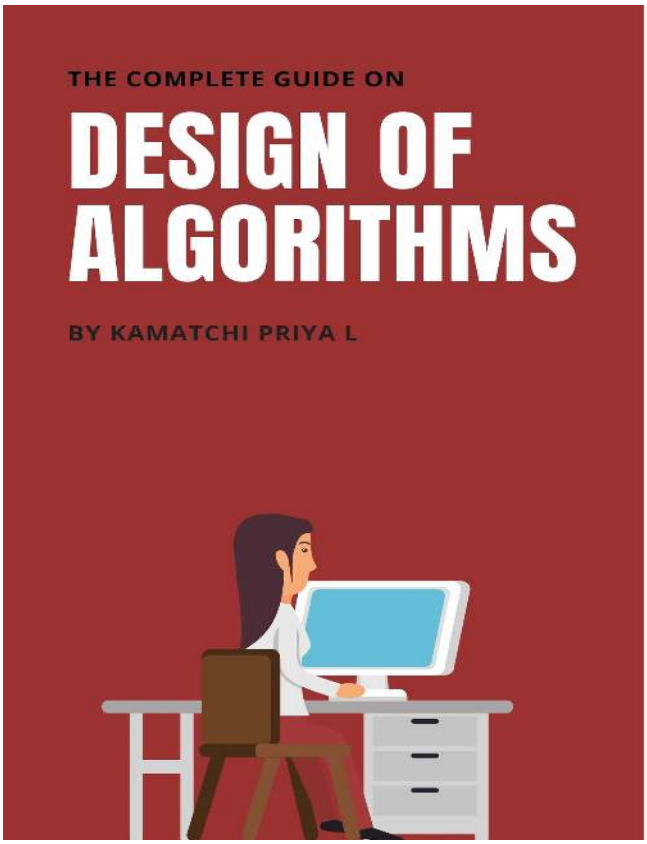
We are proud that NHCE Students from India secured Top 3 Slots during Mid-term Evaluation among all participants from various countries during XV International Space Summer School at Samara, Russia. All are PG Students/PhD Scholars from other countries where as our 5 boys are UG Students. Two students of NHCE jointly shared top Slot and 2nd Slot also shared jointly by 2 students of NHCE and 2 foreigner students and the 3rd Slot by NHCE students. All the Top 3 Positions are secured by NHCE Students from INDIA.

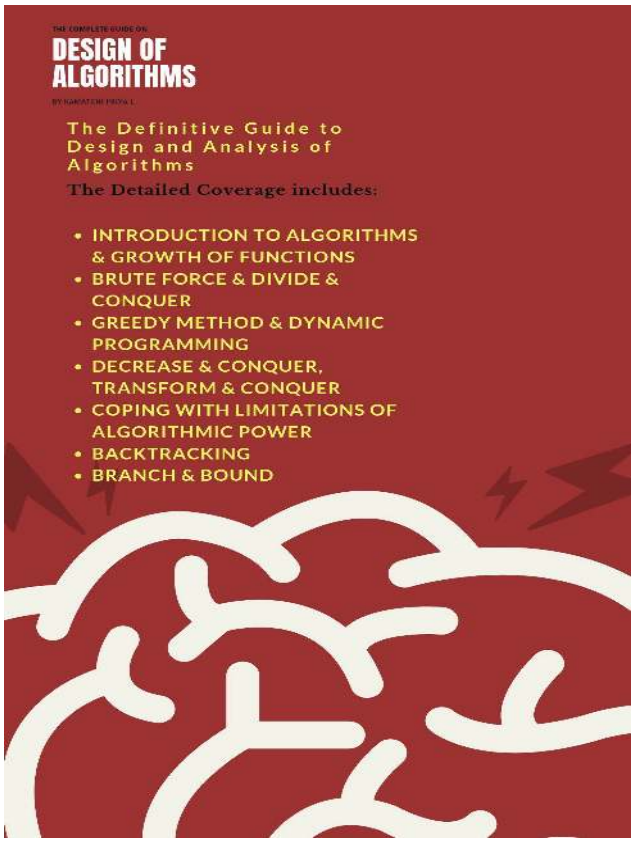
Out of the 5 students from NHCE, 2 are from CSE department.

1. 1NH16CS751 - Mr. Sanketh S Huddar
2. 1NH16CS149 - Mr. Vishwa Gopal

BOOK PUBLICATION BY THE FACULTY OF CSE

Dr. L. Kamatchi Priya has published a book titled "The Complete Guide on Design of Algorithms" with ISBN NO:978-93-5361-804-9 on June 2019. This Book is designed for the Engineering students to design and analyze algorithms. This book covers the topics algorithms, real time problems, solutions and analysis of algorithms in detail. Dr. L. Kamatchi Priya completed her Ph.D. in 'Decision Making Strategies' from Anna University, Chennai, India. She is currently working in New Horizon College of Engineering, Bangalore, India. She has published around 10 papers in different International journals. She has organized CSIR Sponsored Faculty development Program and two IEEE sponsored Conferences. She holds CSI membership and Life membership in ISTE.

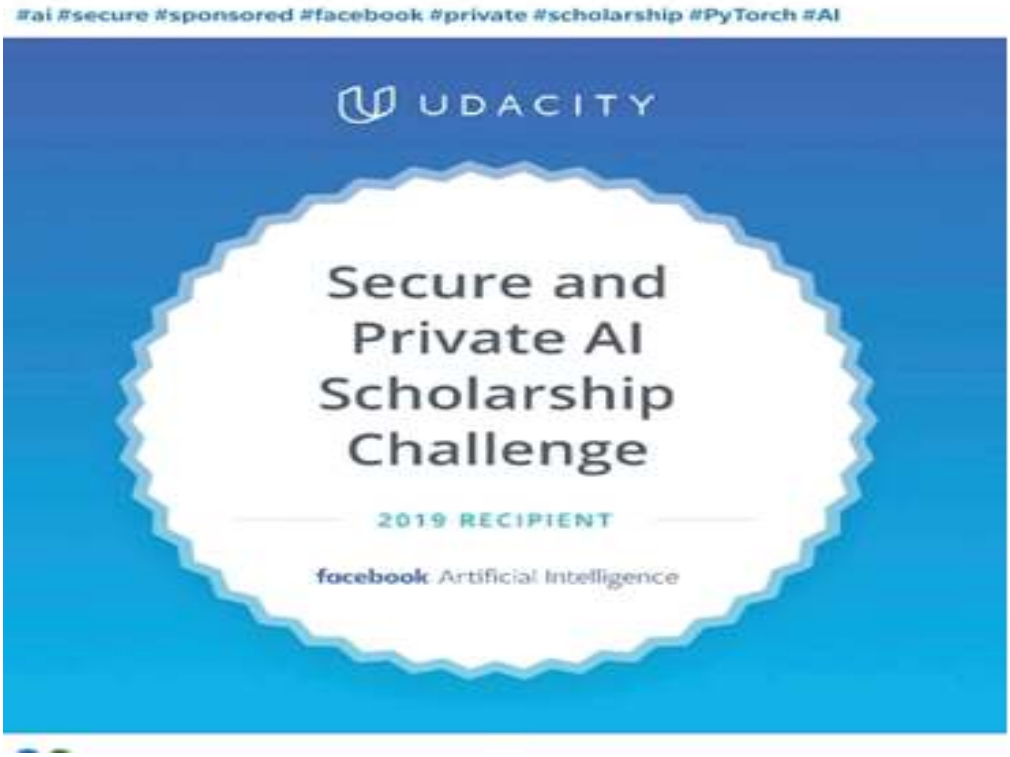




SECURE & PRIVATE AI SCHOLARSHIP CHALLENGE

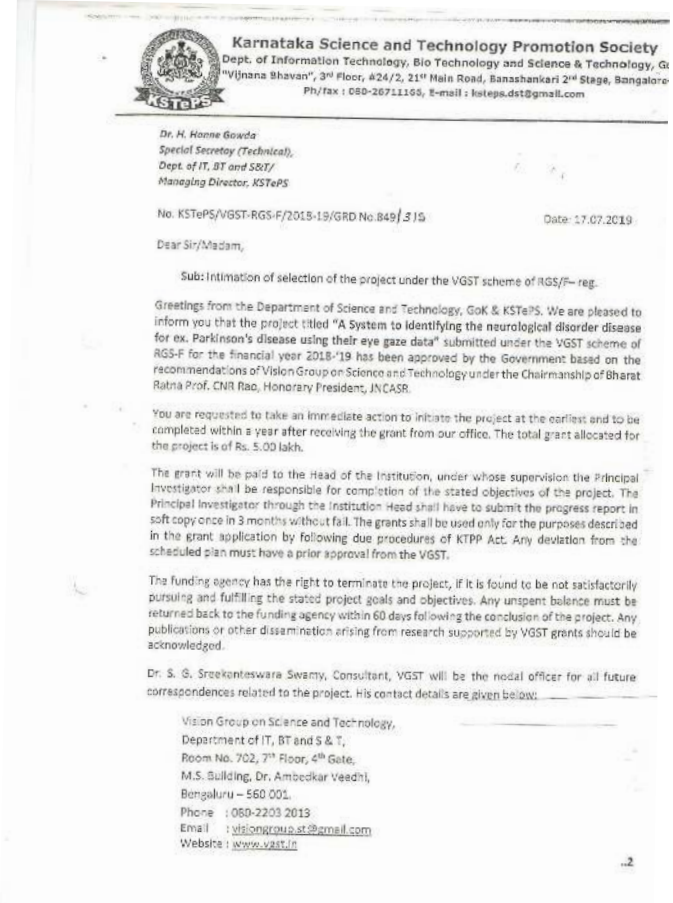
Mr. Sanketh Huddar, IV th year student from the Department of CSE applied for the 'Secure and Private AI Scholarship Challenge' Sponsored by Facebook at Udacity. We are proud to say that Mr. Sanketh Huddar is one of 5000 students selected out of more than 7 Lakh applications across the globe on 2/07/2019. He is also handling the coordination and Point of Contact (PoC) of the Challenge.

He was part of Indo-Israel SpaceTech Leadership Program visited Israel and Samara Summer Space School held at Samara International Research University, Russia. His Start-up was Launched at NHCE by Padmashri Prof. R.M.Vasagam during National Seminar on "New Space: An Era of Small Satellites: Opportunities and Challenges" held at NHCE, Bangalore on 11/04/2019.



RESEARCH GRANT FROM VGST

We are proud that Dr. Nilima Kulkarni, Associate Professor, Department of CSE has received a research grant of Rs.5 lakhs from VGST for her work titled "A system to identifying the neurological disorder disease for ex.Parkinson's disease using their eye gaze data".



Karnataka Science and Technology Promotion Society
Dept. of Information Technology, Bio Technology and Science & Technology, G
"Vijnana Bhavan", 3rd Floor, #24/2, 21st Main Road, Banashankari 2nd Stage, Bangalore
Ph/fax : 080-26711165, E-mail : ksteps.dst@gmail.com

Dr. H. Honne Gowda
Special Secretay (Technical),
Dept. of IT, BT and S&T/
Managing Director, KSTePS

No. KSTePS/VGST-RGS-F/2018-19/GRD No.849/319 Date: 17.07.2019

Dear Sir/Madam,

Sub: Intimation of selection of the project under the VGST scheme of RGS/F– reg.

Greetings from the Department of Science and Technology, GoK & KSTePS. We are pleased to inform you that the project titled **"A System to identifying the neurological disorder disease for ex. Parkinson's disease using their eye gaze data"** submitted under the VGST scheme of RGS-F for the financial year 2018-'19 has been approved by the Government based on the recommendations of Vision Group on Science and Technology under the Chairmanship of Bharat Ratna Prof. CNR Rao, Honorary President, JNCASR.

You are requested to take an immediate action to initiate the project at the earliest and to be completed within a year after receiving the grant from our office. The total grant allocated for the project is of Rs. 5.00 lakh.

The grant will be paid to the Head of the Institution, under whose supervision the Principal Investigator shall be responsible for completion of the stated objectives of the project. The Principal Investigator through the Institution Head shall have to submit the progress report in soft copy once in 3 months without fail. The grants shall be used only for the purposes described in the grant application by following due procedures of KTPP Act. Any deviation from the scheduled plan must have a prior approval from the VGST.

The funding agency has the right to terminate the project, if it is found to be not satisfactorily pursuing and fulfilling the stated project goals and objectives. Any unspent balance must be returned back to the funding agency within 60 days following the conclusion of the project. Any publications or other dissemination arising from research supported by VGST grants should be acknowledged.

Dr. S. G. Sreekanteswara Swamy, Consultant, VGST will be the nodal officer for all future correspondences related to the project. His contact details are given below:

Vision Group on Science and Technology,
Department of IT, BT and S & T,
Room No. 702, 7th Floor, 4th Gate,
M.S. Building, Dr. Ambedkar Veedhi,
Bengaluru – 560 001.
Phone : 080-2203 2019
Email : visiongroup.st@gmail.com
Website : www.vgst.in

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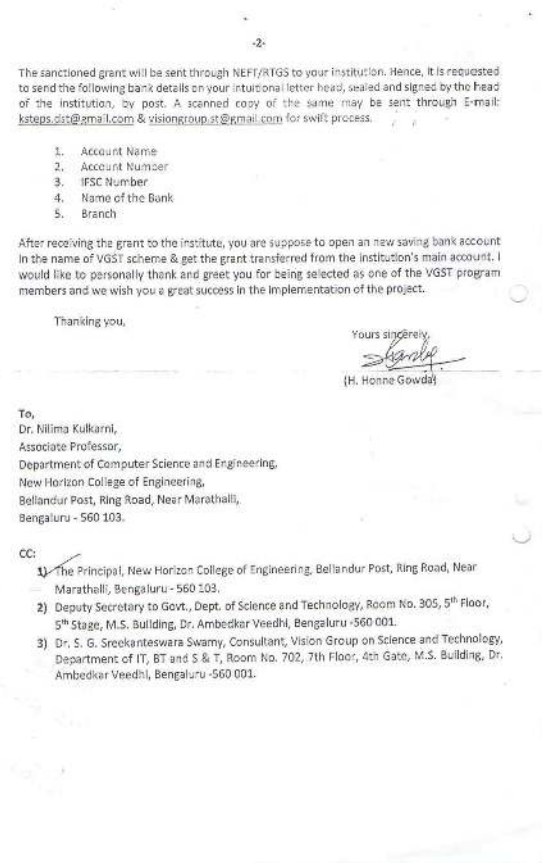

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The sanctioned grant will be sent through NEFT/RTGS to your institution. Hence, it is requested to send the following bank details on your intuitional letter head, sealed and signed by the head of the institution, by post. A scanned copy of the same may be sent through E-mail: ksteps.dst@gmail.com & visiongroup.st@gmail.com for swift process.

1. Account Name
2. Account Number
3. IFSC Number
4. Name of the Bank
5. Branch

After receiving the grant to the institute, you are suppose to open an new saving bank account in the name of VGST scheme & get the grant transferred from the institution's main account. I would like to personally thank and greet you for being selected as one of the VGST program members and we wish you a great success in the implementation of the project.

Thanking you,

Yours sincerely,

(H. Honne Gowda)

To,
Dr. Nilima Kulkarni,
Associate Professor,
Department of Computer Science and Engineering,
New Horizon College of Engineering,
Bellandur Post, Ring Road, Near Marathalli,
Bengaluru - 560 103.

CC:
1) The Principal, New Horizon College of Engineering, Bellandur Post, Ring Road, Near Marathalli, Bengaluru - 560 103.
2) Deputy Secretary to Govt., Dept. of Science and Technology, Room No. 305, 5th Floor, 5th Stage, M.S. Building, Dr. Ambedkar Veedhi, Bengaluru -560 001.
3) Dr. S. G. Sreekanteswara Swamy, Consultant, Vision Group on Science and Technology, Department of IT, BT and S & T, Room No. 702, 7th Floor, 4th Gate, M.S. Building, Dr. Ambedkar Veedhi, Bengaluru -560 001.

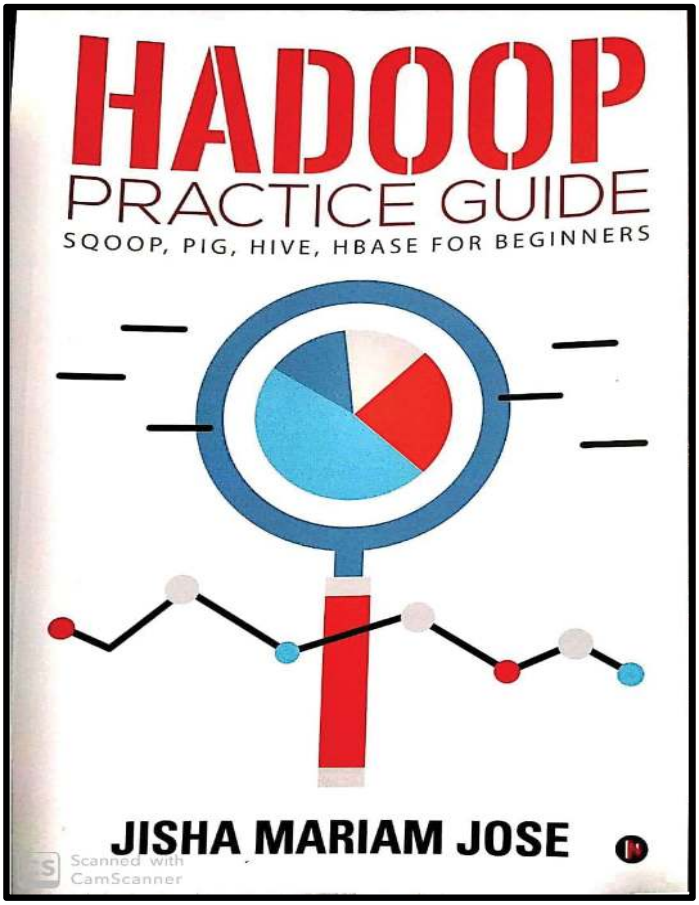
BOOK PUBLICATION BY THE FACULTY OF CSE

Book Title: "Hadoop Practice Guide - SQOOP, PIG, HIVE, HBASE for Beginners". Published on July 2019.

Author's Profile: Ms. Jisha Mariam Jose is currently working as Assistant Professor in the Department of Computer Science and Engineering, New Horizon College of Engineering, Bangalore, India. She pursued M.Tech in Computer Information Science from CUSAT, Kerala and B.Tech in Computer Science and Engineering from GEC, Thrissur, Kerala, India. She has multiple years of teaching experience in data warehousing database-Vertica, Big data analytics using Hadoop, Database Management Systems, Computer Networks and many others. Currently she is pursuing her PhD in 'Big Data analytics on live stream data'.

This book is a complete practical approach for Hadoop lovers. It is mainly aimed for the beginners who wants to have a hands-on experience on Hadoop and its ecosystem. The simplicity and step-by-step explanation will help students and other readers in the computer science industry to use this book as a reference manual.

The book has been divided into various chapters that covers Hadoop installation, Summary on Hadoop core components, General commands in Hadoop with examples, SQOOP-import & export commands with verification steps, Pig Latin Commands, Analysis using Pig Latin, Pig Script examples, HiveQL Queries and expected outputs, HBase with CRUD operations.



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KNOWLEDGE TRANSFER SESSION ON VERTICA DATABASE

A knowledge transfer session on Vertica database was conducted on 18/07/2019. The session started with a brief introduction on Big Data and how Vertica database is used in big data scenario. Later Complete feature study of Vertica was explained using smart board and ppt. The audience were very interactive, which made the session interesting and fruitful to all of them. Finally after a small break, the session was continued with hands-on experiments on Vertica database through Putty terminal.

Speaker Details:
1. Ms. Padmapriya, Sr. AP
2. Ms. Jisha Mariam Jose, AP

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