



## DEPARTMENT OF MASTER OF COMPUTER APPLICATIONS

# RAPIDSHARE

"A KNOWLEDGE GRANARY"

Volume: 5 Issue: 2

Department of MCA

Page No. : 1/9

### Message From Head,

Welcome to the March 2019 edition of **RAPID SHARE**. This exciting edition showcases on various events organized in the Department of MCA. Few glimpses are highlighted here on our students participation at department level activities and Co-curricular activities.

*Dr. Asha V*  
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### Message From Editor

The **RAPIDSHARE** newsletter is just one of the tools of this MCA course to connect with our students. It is intended at all the students with significance in maintaining unity and integrity. So, hopefully most of the students will be able to learn various new things by means of sharing their experience and expertise.

### In This Issue

Social activity	2
Workshop on Django	3
Alumni talk	3
IOT Workshop	4
Expert talk	5
Article	5
Sketch	6
Synonyms & Antonyms	9

### Why **RAPIDSHARE** ?

**RAPIDSHARE** - This News Letter is published in every month for exhibiting the current trends in ICT as well as to portray the activities of students and faculty of MCA Department, NHCE. This is for igniting the younger minds with a Knowledge Granary.

Stay Connected  
with

# RAPIDSHARE

### Vision of NHCE

To emerge as an institute of eminence in the fields of engineering, technology and management in serving the industry and the nation by empowering students with a high degree of technical, managerial and practical competence.

### Mission of NHCE

To strengthen the theoretical, practical and ethical dimensions of the learning process by fostering a culture of research and innovation among faculty members and students.

To encourage long-term interaction between the academia and industry through the involvement of the industry in the design of the curriculum and its hands-on implementation.

To strengthen and mould students in professional, ethical, social and environmental dimensions by encouraging participation in co-curricular and extracurricular activities.

### Quality Policy of NHCE

To provide educational services of the highest quality both curricular and co-curricular to enable students integrate skills and serve the industry and society equally well at global level.



### Social Activity

Date : 1<sup>st</sup> March 2019

Duration : 10.00am - 1.00pm

Place of visit: Helping Hands, B'lore

Details about the activity:

The student volunteers of IV semester MCA came for this social activity event, executed on 1st March 2019. It was a wonderful experience for the students interacting with the adults over there in helping hands home. They spoke about their ambitions in life and further education etc. All of us contributed little money to bring more snacks for them. We met Mr. Prakash, administrative assistant @ helping hands. He told about how the children come to this home, their assistance in education and growth, food and other facilities. We visited all the adults' room and facilities. All were good. We helped them to arrange books and other materials. We took some photos with those few adults and with Mr. Prakash. Our NHCE IV semester MCA student Subrath Kumar donated 1000 rupees for buying snacks, as a part of his birthday celebration on 1st March. It is a token of affection and love what the children shows to the society. Thanks for the wonderful opportunity for getting the chance to execute this special activity with sufficient support. I thank Mr. Velu for providing the vehicle to this trip on time. Thanks to HOD mam for giving her best contacts to execute this event successfully. I finally thank all our students for the support extended to do this activity effectively.

FACULTY CO-ORDINATOR:  
Prof. Dr. B. Meenakshi Sundaram

### Vision of MCA Department

To be the source in bringing Competent Computing Professionals, Innovators, Researchers, Entrepreneurs and Leaders to serve the Industry, Nation and Society.

### Mission of MCA Department

To provide world class computer education and cultivating technical skills to meet the challenging global needs and emerging trends in the industry.

To enable students in acquiring strong academic skills and enhance knowledge towards innovation in research and development.

To inculcate the professional behavior and leadership qualities with ethical responsibilities for the betterment of the society and empower them to become entrepreneurs.

### Quality Policy of MCA Department

To impart excellence in education and make students to be successful, ethical, effective solution providers and life-long learners who will contribute positively to the economic well-being of our nation.



## Workshop on Django using Python

### Objective:

- To give a hands on experience to the students about the usage of Django
- To make students know what is being used in Industry

### About The Workshop:

The workshop on Django Framework organized by MCA Dept. held today i.e. on 9<sup>th</sup> March 2019. During this workshop we had hands-on-session on the framework of Python Django for building some interactive websites.

### Workshop Flow:

The workshop started by our fellow student of MCA Md Yasin which is on real-time basis with installation of the framework and the flow of executions with simple and clean codes. It was just 1day Hands-On Session on the Python Framework with all the basic modules being discussed and even practiced on the computers.

The modules which are being discussed on today's session was completely basic and the modules are being created by command prompt in Admin Mode where Root Directory was created with the user name and then Mysite by system automatically.

### Outcome:

Students were given hands-on session on Django using Python environment

Students got idea about how to create web pages and connect them to database using Django framework.

**FACULTY CO-ORDINATOR:**  
Prof.Vishwanath C.R

## Alumni talk on Mobile Development

Date : 9<sup>th</sup> March 2019  
Timing : 9.00 AM - 10.00 AM  
Venue : MBA Seminar Hall

### Objective:

- To enhance and improve students' knowledge on Mobile App Development.
- To bring out the novel thinking of students in developing Mobile Apps.

### Content:

The speaker for the session, Mr. Vijay S., Senior Software Engineer with 5 Years of experience in the domain of Mobile App development, was introduced by Dr. A.P. Nirmala, Associate Professor, Department of MCA.

Mr. Vijay discussed about the devices for which the mobile app can be developed, followed by how the Software is developed using different platforms and programming languages based on the target mobile device.

Further the audience were introduced about 1st gen, 2nd Gen, and 3rd Gen platforms and how 3rd Generation platforms are better than the 1st and 2nd Gen. Later, he discussed Android, Android Interface, and Features of Android.

At end of the session, the speaker has demonstrated on how app can be created and he showed the code for implementation. The session was winded up with questions and answers.

### Outcome:

- The students were given with an insight on how to develop mobile apps.

**FACULTY CO-ORDINATOR:**  
Prof.Dr.A.P.Nirmala



## IOT Workshop

Date : 12<sup>th</sup> March 2019  
 Timing : 1.50 PM – 3.30 pm  
 Venue : Falconry Seminar Hall  
 Resource Persons

1. Dr. Ashwini K.B (Associate Professor), R V College of Engineering
2. Nakul Bharadwaj R S (6th sem MCA), R V College of Engineering
3. Vijay Babu (6th sem MCA), R V College of Engineering

### Objective:

- To enhance and improve student's knowledge on "Internet of Things".
- To bring out the novel thinking of students in developing projects on IOT.



Moving further the speaker demonstrated two projects which he had developed using Arduino UNO boards. One was an "Automatic BOT" which would travel until it finds an obstacle and stop immediately once it encounters an obstacle.

Vijay Babu Student of MCA 6th semester from R.V college of Engineering demonstrated the use of Raspberry pie Board. He further explained how the board can be used for various applications.

At the end of the session the students were invited to see the various sensors and the Boards. The session was winded up with question and answers.

### Outcome:

- The students were given with an insight on how to develop IOT applications.

**FACULTY CO-ORDINATOR:**  
 Prof.Dr.A.P.Nirmala



### Content:

The speaker of the session Dr. Ashwini K.B gave a brief introduction on "Internet of Things", how the "things" are connected over the internet and how the devices share information with one another. Talking about the devices connected over the internet she explained us about various sensors which are used in IOT for sensing and how they are connected with the devices.

Mr. Nakul Bharadwaj R.S student of MCA 6th semester from R.V college of Engineering demonstrated how an Arduino Board looks and the different Arduino boards which can be used in developing IOT projects. He majorly emphasized on Arduino UNO.





### Expert talk on Mobile App Development

Date : 13<sup>th</sup> March 2019

Timing : 1:50 PM – 2.50PM

Venue : MBA Seminar Hall

Resource Person : Mr. Niranjana (IITian)  
SkyFi Labs, Bangalore.

Objective:

- To enhance and improve students' knowledge on Mobile App Development.
- To bring out the novel thinking of students in developing new projects in Android.

Content:

Mr. Niranjana, IITian, discussed about the applications for which the mobile app can be developed, followed by how the Software is developed using different platforms and programming languages based on the target mobile device.

Later he discussed about the Advanced Technology and how it is emerging in the upcoming generation and how new things can be made smart so that it will reduce the human effort.

He discussed about the job prospects in the software industry with different designation. The session was winded up with questions and answers.

Outcome:

- The students wer with an insight on how to develop projects on Android.

FACULTY CO-ORDINATOR:

Prof.Dr.B.Meenakshi Sundaram

### Article by the Student

#### Praising human with Nature

Butterflies mesmerized by glancing at your heart,  
Cuckoos embarrassed by hearing at your voice,  
Earth releases the pleasant smell towards you,  
Flowers are lingering to sight you,  
Moon decided to follow as you walk on the sea shore,  
Mountains bow down by looking at your height,  
Stars are awaiting to sparkle at you in the dark sky,  
Sun is with huge expectation to look at your face,  
Trees are with anticipation to whisper the wind towards you,  
God is praising you with health, wealth, joy and you deserve  
all these things by your wonderful heart...

By: Dharani 1NH17MCA09  
4th Semester MCA 'A' Section



## SKETCHES

Peacock symbolize new beginning and eternal life...



Art by: Dharani 1NH17MCA09  
4th Semester MCA 'A' Section

IT'S JUST THE BEGINNING...



Art by: Sneha Chandu 1NH18MCA74  
4th Semester MCA 'A' Section



ಭಾರತದ ರತ್ನ ಡಾ ಶಿವಕುಮಾರ ಸ್ವಾಮಿ  
Bharat Ratna Dr. Shivakumara swamiji



## *ANTONYMS*

Negation	:	Cancellation
Rubble	:	Repair
Camouflage	:	Reveal
Petrified	:	Fearless
Declassification	:	Hierarchy
Enigma	:	Clearness
forward-looking	:	Nostalgic

## *SYNONYMS*

Predicament	:	Problem
Competent	:	Capable
Frank	:	Candid
Gallant	:	Chivalrous
Precarious	:	Uncertain
Sordid	:	Dirty
Trivial	:	Unimportant

### *Contribute to **RAPIDSHARE***

We invite all MCA students and faculty members to contribute articles to the subsequent issues of RapidShare. The articles can be either technical or general depending upon your field of interest. All submissions have to be under 500 words. Please submit your articles to the student editors (see front page) with your name, department, year of study (designation in case of faculty members). If you want your achievements and activities to be highlighted in this newsletter, please get in touch with your respective faculty and student coordinators (see front page).

### *Feedback*

The Editorial Board requests all readers to provide their valuable feedback regarding the content and design of the newsletter. New ideas regarding columns and content will be appreciated.

### *Disclaimer*

Utmost care has been taken while developing content for the newsletter. Any incorrectness of data or information is purely in advertent and incidental. All contributions could not be accommodated due to space constraints and other factors. All contributions are in our database and we will try to incorporate them in future issues. The Editors also wish to inform the readers that this newsletter for internal circulation only.