

## **MCA DEPARTMENT REPORT**

### **TECHNO TONIC'12**

The Department of MCA , Loyola Academy has conducted “Techno Tonic’12” on 10<sup>th</sup> Dec 2012. It is a one-day technical event for MCA and Engineering Students.

The Chief Guest for Inaugral function was Mr. Ganesh Anand Arcot, Director, Engineering at Teradata Corp.

The Chief Guest for valedictory function was Prof. Prem Chand Chairman BOS Faculty of Engineering O.U.

### **Speakers for the event were**

Mrs. Parna Chakrawarthy from NIIT gave a session on “Software Testing”

Mr. Srinivas Rao from NIIT gave a session on “Carrer in Software Testing”

Mr. Harish from Cognizant Technologies gave a session on “Data Warehousing and Business Intelligence” .

**STAFF ACHIEVEMENTS:**

1. Mrs. S.Hemalatha has qualified SLET 2012.
2. Mrs. K.Bharathi, G.Sirisha, S.Hemalatha, and P.V. Naga lakshmi attended a workshop on “Data Warehousing and Mining” using weka tool organized by AMS School of Informatics from 27<sup>th</sup> feb to 2<sup>nd</sup> march 2012.
3. Mrs. K.Bharathi, G.Sirisha attended a workshop on “Data Mining using Weka tool” organized by Computer Society of India(CSI) on 29<sup>th</sup> and 30<sup>th</sup> june 2012.
4. Mrs. M. Geetha, K.Bharathi, G.Anitha Mary and S. Hemalatha attended a seminar on “Cloud Computing and Security Issues” organized by Osmania University on 12<sup>th</sup> and 13<sup>th</sup> july 2012.
5. Mrs. K.Bharathi attended a seminar on “Image Processing “ organized by CBIT in April 2012.

## **STUDENT ACHIEVEMENTS.**

1. D. Swetha Rani DMCA -28 was Runner up in "Inter College Volleyball Competition".
2. Rohit Painully DMCA-45 won the II prize in "Inter College Badminton Competition"
3. Yashaswi Pratap DMCA-44 won the III prize in "Short put" at Loyola Academy.
4. Kannan. V. K DMCA-33 and Yashaswi Pratap DMCA-44 won the 1<sup>st</sup> prize in event "Scavengers" in IT event ELITE'12 at Loyola.
5. M. Vivek DMCA-13 won 4<sup>th</sup> place in Osmania University in "Inter college Chess Competition" with Loyola team.
6. Hemalatha DMCA-03, Anand Kumar DMCA-17, Mohammed Zahid DMCA-42, Vikas DMCA-41 and Esha Dixit DMCA-24 participated in "Coding" event in IT event ELITE'12 at Loyola.
7. K. Bala Krishna DMCA-23, K. Anand Kumar DMCA-17, Sanyay DMCA-11, Ramesh Charry DMCA-12, C. Santosh DMCA-21, Tejavardhan DMCA-48 won 1<sup>st</sup> prize in "Skit" in "Resonance 2012" at Loyola Academy.
8. Suresh DMCA-15 won 2<sup>nd</sup> prize in "Solo Singing " in "Resonance 2012 " at Loyola Academy.
9. Vikranth Reddy NMCA-32 won 2<sup>nd</sup> prize in "JAM" in Inter College event held at St. Joseph's College.
10. A. Claudius Antu NMCA-41 participated in "JAM" in Inter College event held at St. Joseph's College.
11. Naveen NMCA-15, Suraj NMCA-42, Srinath NMCA-29 won 1<sup>st</sup> prize in Cricket Competition.

# **REPORTS OF 2013-2014**

## **FACULTY ACHIEVEMENTS:**

- Mrs.M.Geetha has been qualified in the SLET examination in the year 2013.
- Mrs.M.Geetha has attended a seminar "SAP Technologies" on 28<sup>th</sup> Dec 2013 at Aurora Business School.
- Mrs.P.V.Naga Lakshmi has published a paper on "Energy Efficient Strategies for Cooperative Multichannel Mac Protocol" in International Journal of Engineering and Computer Science ISSN:2319-7242 volume 2 Issue 9 Sept .,2013 page no.2688-2697.

## **STUDENT ACHIEVEMENTS:**

- Claudius Antu DMCA-41,T.Murali Krishnan DMCA-13 have participated in Quiz competition won first prize conducted by AMS School Of Informatics For the event "Cyber Security".
- Prajwal Rai AMCA-26 and Srikanth AMCA-19 have participated in DBMS Contest and won first prize conducted by AMS School of Informatics For the event "Cyber Security".
- J.Nikitha NMCA-33 and V.Bhavani-28 have participated in "Edit & Win Coding "and won first prize conducted by Aurora P.G. College Ramanthapur for the event "ABHYASA 2K14.
- D.Ravinder NMCA-01 and D.Praveen Kumar-08 have participated in "Web Programming" and won first prize conducted by Aurora P.G. College Ramanthapur for the event "ABHYASA 2K14.
- D.Adithya Yadav NMCA-10 have participated in weight lifting and won third prize (Bronze) conducted at L.B.Stadium.

## Guest Lecture

The Department of M.C.A. has organized a guest lecture for final year M.C.A. students on October 25<sup>th</sup> and 26<sup>th</sup> on the “Enterprise Java Beans”. The guest speaker was Mr. Harsha from Department of Computer Science, Loyola Academy Degree and P.G. college.

**Summary:** EJB is a [server](#)-side [component architecture](#) for writing reusable business logic and [portable enterprise](#) applications. EJB is the basis of [Sun's Java 2 Platform, Enterprise Edition](#) (J2EE).

Enterprise Java Bean components are written entirely in [Java](#) and run on any EJB compliant server. They are [operating system](#), [platform](#), and [middleware](#) independent, preventing vendor [lock-in](#).

EJB servers provide system-level services (the "plumbing") such as [transactions](#), security, [threading](#), and [persistence](#).

The EJB architecture is inherently transactional, [distributed](#), multi-tier, [scalable](#), secure, and wire protocol neutral - any [protocol](#) can be used: [IIOP](#), [JRMP](#), [HTTP](#), [DCOM](#) etc. EJB 1.1 requires [RMI](#) for communication with components. EJB 2.0 is expected to require support for RMI/IIOP.

EJB applications can serve assorted clients: [browsers](#), Java, [ActiveX](#), [CORBA](#) etc. EJB can be used to wrap legacy systems.

Enterprise JavaBeans (EJB) is a [Java API](#) developed by Sun Microsystems that defines a component architecture for multi-tier [client/server](#) systems.

EJB systems allow developers to focus on the actual business architecture of the model, rather than worry about endless amounts of programming and coding needed to connect all the working parts. This task is left to EJB server vendors. Developers just design (or purchase) the needed EJB components and arrange them on the server.

Because EJB systems are written in Java, they are [platform](#) independent. Being [object oriented](#), they can be implemented into existed systems with little or no recompiling and configuring.

## **Guest Lecture**

A guest lecture by Mr. Anil . H. Menon , G.M. Technical at Adroit Infocom India pvt Ltd. was held on 29<sup>th</sup> Oct. 2013 and on 16<sup>th</sup> Nov. 2013 by the Department of M.C.A.

The topic of the lecture was “Enterprise Java Beans “.The lecture started off with first understanding the EJB specification. The student’s knowledge was enhanced by throwing the light on how to program enterprise bean, and how to deploy them in an Enterprise Beans Container such as j2ee application server and Web Logic Server 6.0. The vast experience & knowledge of our guest lecturer explode the knowledge of our students.

## **Profile of Guest Lecturer**

Name: Anil .H. Menon

B.Sc Physics

Post Graduate Diploma holder in Computer Applications

Total Experience: 20 Years (Training & Development)

Present Employer / Organization : Adroit Infocom India pvt Ltd.

Designation: G.M Technical

## **Guest Lecture**

A guest lecture by

Dr.SALMAN ABDUL MOIZ MCA, M.Tech(CSE), M.Phil(CS). Ph.D(CSE) Associate

Professor, School of Computer & Information sciences(SCIS),University of Hyderabad was held

on 2<sup>nd</sup> Dec. 2013 by the Department of M.C.A.

The topic of the lecture was UML CASE\_STUDY with all diagrams and forward and reverse engineering.

## **Profile of Dr. Salman Abdul Moiz**

**Dr. SALMAN ABDUL MOIZ**

**6-2-951/A/1, Flat No: G-4, Sadaf Habitat, Khairtabad, Hyderabad – 500004**

**Ph: +91-9885049992, +91-40-65522949; Email: salman.abdul.moiz@gmail.com, samcs@uohyd.ernet.in**

Conscientious professional with established technical abilities, offering distinguished experience of around 15 years of competency in the field of research and teaching;

- Held faculty position for senior courses in several institutions.
- Working as Associate Professor in School of Computer & Information Sciences (SCIS) at University of Hyderabad.
- Worked as Research Scientist (Software Engineering Division) at Centre for Development of Advanced

Computing(CDAC), Bangalore.

- Ample knowledge base backed by PhD in Computer Science & Engineering from Osmania University M.Tech (CSE) from Osmania University, M.Phil (Computer Science) from Madurai Kamraj University and MCA from Osmania University. Various publications to accredit and possess diverse research background providing a broad range of experience in the same.

- Developed Course material on “Discrete Mathematics” for MCA Course of Osmania University, Centre for Distance Education, Course material in “Applications of Logical Database” for Softpro Systems Private Limited, Hyd. and on “OOPS using JAVA” for Mahatma Gandhi University, Nalgonda.



# **MCA DEPARTMENT**

## **DEPARTMENTAL ACTIVITIES**

### **1. Orientation Programme for M.B.A. and M.C.A.**

An orientation programme for M.B.A. and M.C.A. students who have joined in the academic year 2014-15 has been organized on October 13<sup>th</sup> 10.00am in the P.G. Seminar hall.

**Purpose:** To orient the first year students and their parents and making them aware of rules and regulations of college and about the infrastructure of the college.

**Report:** The orientation program began at 10.00 am and the following were the addresses given by the members of the management.

Rev. Fr. Dr.Francis Xavier, Correspondent gave his blessings to the students.

Rev. Fr. Casimir, Principal addressed the students.

Rev. Fr. Anil Kumar, Vice Principal P.G. spoke about rules and regulations of the college.

Mr. Hanook, Controller of Examinations explained the examination system.

Mr. Stephen explained about Planet programme.

Mrs. Sharada, Librarian gave details about the books that are available in the college library.

**Review:** The students and their parents were very happy about the infrastructure of the lab and library and about the management and the staff.



Rev. Fr. Anil Kumar, Rev. Fr. Casimir, Rev. Fr. Dr. Francis Xavier



## 2. Technical Event

The department of MCA has organized a one Technical Event M-BHAVISHYA'14 on November 15<sup>th</sup> 2014, for the students of MCA, BTech(CS,IT), BSc(CS) in and around tri cities. About 150 students from 30 different colleges participated in the event.

- **Purpose:** The main purpose of this event was to bring students of Information Technology together to make them aware of knowledge of various tools and technologies in the “Mobile App Development” and also to make them aware of **Social media and Cloud computing.**
- **Report:** M-BHAVISHYA'14 was a one day technical extravaganza conducted on November 15<sup>th</sup> 2014, for the students of MCA, BTech(CS,IT), BSc(CS) in and around tri cities. We had about 150 students from 30 different colleges participating in the event

The Chief guest for the Inaugural function was **Prof. S. Sameen Fathima** , Dean Faculty of Informatics, Osmania University.

The Chief guest for the valedictory function was Mr. Suresh Eshwar Bulusu, Chief Operating Officer, Princeton IT Services.

We had technical talk on “**Mobile app development**” in the morning session and a talk on “**Social Media, Mobility, Analytics and Cloud Technology**” in the afternoon session.

Apart from these talks we also conducted four formal events and two informal events.

**Formal Events:** Paper Presentation, Coding and Debugging, Database Contest and IT Quiz.

**Informal Events-** Funny Resume and General Quiz.

- **Review:** This event greatly helped the students to seek knowledge, improve their technical, professional, organizing skills and managerial skills required for IT industries.



### 3. Certificate course

The Department in collaboration with Princeton IT Services offered a 30 day Additional Certificate course on “Big Data with Apache Hadoop” to the students. The Department has signed a MOU with the Princeton IT Services Pvt. Ltd.

- **Purpose:** The purpose of the course is to teach the students about the latest technology like “Big data with Apache Hadoop”. It provides an opportunity for the students of MCA to enhance their knowledge in Big Data and practical exposure in Hadoop.

- **Report:** The Department of MCA in collaboration with Princeton IT Services offered a 30 day Additional Certificate course on “Big Data with Apache Hadoop” to the students. About 30 students of final year MCA have enrolled for the course.

The Department has signed a MOU with the Princeton IT Services Pvt. Ltd.

At the end of the training program, participants were awarded certificates jointly by Princeton IT Services and Loyola Academy, MCA Dept.

- **Review:** This event greatly helped the students to seek knowledge, improve their technical knowledge in Big Data required for IT industries.

#### 4. Guest Lecture

The Department of M.C.A. has organized a guest lecture for final year M.C.A. students on November 25<sup>th</sup> and 29<sup>th</sup> 2015 on the “Object oriented Testing and Millennium Testing by Mrs. B.Vaishnavi.

- **Purpose:**

The Purpose of conducting this guest lecture is to give good idea about “Object oriented testing and Millinnium Testing.”

- **Report:** The Department of M.C.A. has organized a guest lecture for final year M.C.A. students on November 25<sup>th</sup> and 29<sup>th</sup> 2015 on the “Object oriented Testing and Millennium Testing”. The guest speaker was Mrs. B.Vaishnavi, Associate Professor, Swamy Vivekananda Institute of Technology, Secunderabad.

In the first session the speaker covered Object oriented testing and its uses.

In the second session she covered Millennium Testing and the other latest testing methods.

- **Review:** Students benefited with this workshop very much. They got good idea of Software Testing. They also got insights of latest testing technologies used in the organizations.



### 5. Industrial Visit:

The Department of MCA has organized a one day industrial visit for the first year MCA students on 16<sup>th</sup> December 2014 “PC Hardware and Maintenance “ at “National Small Industries Corporation Limited “, Hyderabad.

- **Purpose:** To have an exposure to the MCA staff and AMCA students in PC Hardware and Maintenance learning program.
- **Report:** This report is made on an Institute named as NSIC(Christian Health Association in India). Here the Students are trained for Programming Languages, hardware components, technical things which are useful. Students made eligible and taught firmly. The well experienced and trained Tutors are hired here.

NSIC is a Government Institute.

The first year students of MCA(Master in Computer Science) of Loyola Academy went along with Mrs. Bharathi and Mrs. Hemlata, The lecturers of Loyola under the guidance of Vice Principal and MCA staff. The respective chose NSIC, only to make the youth aware of the importance of computer in human life. The people might know to use computer. But they won't know to repair it. By keeping this idea in their mind they took the students to NSIC. The Students were curious to learn the peripherals of a computer. The job of a programmer is to make application. This was the totally different they were going to learn.

The session was about the computer maintenance. Mr. Madhusudan explained how to maintain the computer. He explained about the threats, virus, worms. What measures should we take to protect our computer. The beautiful day of learning ended with a vote of thanks by one of our students. The program ended with a tea as the token of love from the institute.

- **Review:** All the students came together to learn something. This made them to forward their step towards the Globalized world. A minute can change the fate. And hard work can change the time. This program is a step towards intellect thinking. By this the AMCA students are educated to study the computer and trained in a customized manner.



## STUDENT ACHIEVEMENTS

1. Final year MCA students J.Nikitha and V.Bhavani won First Prize in “Coding and Debugging” at IT Meet “Abhyasa 2k14 “held at Aurora P.G College, Hyderabad.
2. D.Ravinder and D.Praveen of MCA final year won First Prize in “Web Programming” at IT Meet “Abhyasa 2k14 “ held at Aurora P.G College, Hyderabad.
3. Ekalavya Sreeram ,Vivekananda of final year MCA have participated in IT Meet “Abhyasa 2k14 “ held at Aurora P.G College, Hyderabad.
4. Ekalavya Sreeram attended workshop on “Malware Analysis and Ethical Hacking” conducted by Indian servers(Andhra Hackers.com) at Anuraag group of Institutions.

5. The students of MCA second year (NMCA-10, NMCA-15, NMCA-18, NMCA-26 and NMCA-28) have participated in the “GLITZ-2K14” at A. V. College P.G.Center, Gaganmahal, Hyderabad on 20<sup>th</sup> November 2014.
6. R.Naveen Lal(DMCA 22), T.SaiKiran(DMCA34), Paramesh(DMCA 41) of final year MCA have participated in the “Code Carnival” event at “ATMOS’14 “, BITS Pilani, Hyderabad Campus on 10<sup>th</sup> and 11<sup>th</sup> of October 2014.
7. The students of MCA Final year(DMCA-2, DMCA-10, DMCA-16,DMCA-21,DMCA-35, DMCA-39, DMCA-41, DMCA-47,DMCA-48, DMCA49, DMCA51 and DMCA-34) have attended a seminar on “Police Commemoration Day” and donated blood on 21<sup>st</sup> October 2014.
8. The students of MCA Second year (NMCA-1, NMCA-3, NMCA-4, NMCA-8, NMCA-9) have attended a seminar on “Breast Cancer” at “Cancer Institutes- Apollo Hospitals”, Jubilee Hills, Hyderabad on 21<sup>st</sup> October 2014.
9. The students of MCA first year have attended one day training programme on “PC Hardware and maintenance “ at “National Small Industries Corporation Limited “, Hyderabad on 16<sup>th</sup> December 2014.

## **STAFF ACHIEVEMENTS**

1. Mrs. M. Geetha published a paper “Privacy Preservation of Sensitive Attributes Using Hybrid Approach” in International Journal of Engineering and Computer Science in volume 3 issue 4 April.
2. M. Geetha, P.V. Nagalakshmi and G. Sirisha completed MTech.
3. Mrs.M. Geetha was a member of BOS St. Josephs College as a subject expert.
4. Mrs. K.Bharathi has attended five day faculty development program on “Image Processing and its Applications” conducted by Department of CSE, Mahatma Gandhi Institute of technology from 15<sup>th</sup> to 19<sup>th</sup> Dec.2014.
5. Mrs. K.Bharathi has attended one week workshop on “Advances in Image and Video Processing and Applications using MAT Lab” conducted by Department of ECE , Sree Nidhi Institute of Science and Technology during 7<sup>th</sup> to 12<sup>th</sup> April, 2014.

7. Mrs. S. Hemalatha and Mrs. G.Sirisha have attended one day training programme on “PC Hardware and maintenance “ at “National Small Industries Corporation Limited “, Hyderabad on 16<sup>th</sup> December 2014.
  
8. Mrs.G.Anitha Mary and Mrs.G.Sirisha have attended one day complimentary seminar on MATLAB & Simulink for Engineering Education on 11<sup>th</sup> Aug 2014, Math Works India Pvt. Ltd. Hyderabad.

# DEPARTMENT OF MCA

## DEPARTMENTAL REPORT 2015-16

### I. Departmental Activities

1. The department of MCA has organized a one day Technical Event “TechXplosion-2K15” *think big explore big* on 11<sup>th</sup> December 2015 at Inigo Hall from 9:00 A.M. to 5:00 P.M. for the students of MCA, BTech(CS,IT), BSc(CS) in and around tri cities. About 80 students from 15 different colleges participated in the event.

- **Purpose:** The main purpose of this event was to bring students of Information Technology together to make them aware of knowledge of various tools and technologies in the Hadoop ecosystem and also to make them aware of its effectiveness for career.
- **Report:** TechXplosion-2K15 “*think big explore big*” event was done under the guidance of Rev. Father Dr. L. Joji Reddy (Acting Principal). In this program all the students of our college and the students of MCA, BTech(CS,IT), BSc(CS) in and around tri cities has participated in this program. The following are the chief guests and the dignitaries for the event

**Chief Guest:** Mr. Rajendra Irri, IM Leader (Global ERP and EAI Solution Delivery) GE Energy Management.

**Other Dignitaries:** Fr Dr L.Joji Reddy SJ, Acting Principal, Fr K. Anil Kumar, Vice Principal P.G, Mrs. M. Geetha, H.O.D MCA Dept. Fr. J. Thianese SJ, Correspondent.

The speech on Hadoop was given by the Resource person Mr. Rajendra Irri.

Around **100** participants from different colleges actively participated in the Event.

#### **Formal Event Details**

The event was conducted in the MCA lab and various classrooms of the department.

A **cash prize of Rs.1000** was given for the first prize winners and a **cash prize of Rs.500** was given for second prize winners for formal events.

- **Coding and debugging** –Eighteen participants from various colleges actively participated in this event. There were three rounds (aptitude, debugging and coding).
- **Mock Interview** –Nineteen participants from various colleges actively participated in this event. There three rounds (aptitude, GD and technical +HR).
- **Web Designing** –Seven teams from various colleges actively participated in this event. It was a group event with 2 participants in each group. Two rounds were there (aptitude, designing templates).

- **Paper Presentation-** Thirteen participants submitted their power point presentations. Best five presentations were selected for the final round.

### **Informal Event Details**

- **JAM:** Instantly the topic was given to the participants of which they have to talk for a minute. Nearly 10 students participated in this event and first and second prizes were given.
- **BRAIN STORM:** It is like a memory test where some images are shown and they have to write in the same sequence. Around 20 participants participated. There were two rounds and first and second prizes were given.
- **QUIZ:** Two rounds for this event. Nearly 40-50 students participated and first and second prizes were given.

We planned for nearly a month and made the event successful. The main coordinators were from final year under which various members worked on it.

We successfully ended up our formal and informal event around 4:00 P.M and then we began with the valedictory session.

The **Chief Guest** for the valedictory session was

**Mr. Ganesh Anand Arcot**, Director, Engineering @Teradata Corporation.

After his wonderful speech, the prizes were distributed by our esteemed Chief Guest to the winners and participants.

We ended up the event by singing the National Anthem.

- **Review:** This event greatly helped the students to seek knowledge, improve their technical, professional and managerial skills required for IT industries.







2. The **AMCA** students went to CHAI(Christian Health Association of India), which is well known for its selfless service for the people who are affected by the unleashed disease **AIDS** for **PLANET PROGRAM** on 17th July '15.

**Purpose:** The purpose of this event was to bring out the students of MCA First Year to help out the people who are affected by the unleashed disease **AIDS** .

**Report:** This report is made on an organization named as CHAI(Christian Health Association in India). Here the patients who are suffering from aids are admitted. Basically this organization runs on donation. There is no other source of income for them. The well experienced and trained doctors who visit here to diagnose the patient serve for free.

CHAI is undertaken by Brother **MADHU** & **DR. Mrs. RAVI KIRAN**

The first year students of MCA(Master in Computer Science) of Loyola Academy went along with Mr. Stephen, The In charge of Planet Program Activity under the guidance of Vice Principal and MCA staff. Mr. Stephen selected CHAI, only to make the youth aware of these illness and to teach the value of **Humanity** and **Hospitality**. This is disease spreading rapidly In youth because of no proper education and understanding. MCA Staff has extended their helping hand in this Beautiful work.

**Review:** All the students came together to serve the people. The people who all admitted in CHAI are like all other human being. But they are been mentally exhausted and socially eliminated. This planet program is a step towards Integrity thinking. Things can change if we want them to change. Serve the people first then God will serve you. By this the AMCA students are educated to the study of AIDS and trained in goodwill, hospitality and kindness.





3. The students of MCA first year have attended one day training program on “PC Hardware and Maintenance “ at “National Small Industries Corporation Limited “, Hyderabad on 2<sup>nd</sup> November 2015.

**Purpose:** The **MCA staff** and **AMCA students** had taken effort in Hardware learning program.

**Report:** This report is made on an Institute named as NSIC(Christian Health Association in India). Here the Students are trained for Programming Languages, hardware components, technical things which are useful. Students made eligible and taught firmly. Basically this Institution is having a reasonable fees. Anyone who is willing to learn the programming language can learn and trained here. The well experienced and trained Tutors are hired here. NSIC is an government institute.

The first year students of MCA(Master in Computer Science) of Loyola Academy went along with Mrs.Sirisha and Mrs. Hemlata, The lecturers of Loyola under the guidance of Vice Principal and MCA staff. The respective chose NSIC, only to make the youth aware of the importance of computer in human life. The people might know to use computer. But they won't know to repair it. By keeping this idea in their mind they took the students to NSIC. The Students were curious to learn the peripherals of a computer. The job of a programmer is to make application. This was the totally different they were going to learn.

Thurs, 16<sup>th</sup> morning, the Hardware Program was planned for AMCA students. The Students were eagerly waiting for to visit NSIC as it was new to them. Each and everyone came well dressed in their attire. The enthusiastic behaviour of the youth is key point of learning. MCA faculty who were in charge of taking the students to NSIC was confident enough that they could manage to do things off in better way. The students reached NSIC which is situated in ECIL, Secunderabad by 10:30 am.

After the awesome end of the first part. Last session was about the computer maintenance. Mr. Madhusudan explained us how to maintain the computer. He explained us about the threats, virus, worms. What majors should we take to protects are computer. The beautiful day of learning ended with a vote of thanks by Emmanuel. The program ended with a tea as the token of love from the institute.

**Review:** All the students came together to learn something. This made them to forward their step towards the Globalized world. A minute can change the fate. And hard work can change the

time. This program is a step towards intellect thinking. By this the AMCA students are educated to the study the computer and trained in customized manner .



4. The Department of M.C.A. has organized a guest lecture on “Start ups and Entrepreneurship” on July 10<sup>th</sup>, 2015. The guest speaker was **Mr. Anil Atyam** from Cloud Integrator Inc. Washington DC.
  - **Purpose:** The Department of M.C.A. has organized a guest lecture for M.C.A. students on July 10<sup>th</sup>, 2015. The guest speaker was **Mr. Anil Atyam** from Cloud Integrator Inc. Washington DC. The purpose of this event was to bring students aware regarding the passionate about start ups and entrepreneurship.
  - **Report:** The session was about two hours to bring up the awareness about doing their projects, about startups and bring up entrepreneurship qualities.
  - **Review :** The students were able to bring knowledge about doing their projects, about startups and bring up entrepreneurship qualities.





5. The Department of M.C.A has organized a guest lecture on “**Goal Setting and Interview Skills**” by Mr.K.S.P.S. Srinivas and Mr. Srinath On 2<sup>nd</sup> November 2015.

- **Purpose:** The Purpose of this guest lecture was to bring awareness on Interview skills and Goal Setting.
- **Report:** It was a one hour session by Mr.K.S.P.S. Srinivas and Mr. Srinath On 2<sup>nd</sup> November 2015.It enriched the students in a better way.
- **Review:** The Review of this session was to bring awareness on Interview skills and Goal Setting.

6. The Department has organized a Guest Lecture on “**Fundamentals of Object Oriented Systems**” on 14 Dec 2015 by Rev. Fr. J. Thainese SJ, Correspondent, Loyola Academy.

- **Purpose:** The purpose of conducting this guest lecture is to help students in designing major projects.
- **Report:** a case study was explained with the help of UML DIAGRAMS.
- **Review:** Students benefited with this workshop very much. They got good idea of using UML diagrams and applying them to design MAJOR projects.

## **STAFF ACHIEVEMENTS**

1. Mrs. S. Hemalatha and Mrs. P.V. Nagalakshmi have attended a FDP- “Java Technovation” organized by Aurora’s Degree and PG College Chikkadpally, Hyderabad on 7 February 2015.
2. Mrs. M. Geetha and Mrs. G. Sirisha attended a National Seminar on “Current Trends in Network Security” organized by Aurora PG College Ramanthapur, Hyderabad on 10 April 2015.
3. Mrs.K.Bharathi attended the evening school on Image Processing and its Applications held at NERTU & CFRD, Osmania University, Hyderabad, during 4<sup>th</sup> August – 20<sup>th</sup> November 2015.(2 days in a week Tuesday and Friday)
4. All the Staff of MCA have attended the ICSSR-SRC a one day State level Seminar on “Implementation of CBCS in Autonomous Colleges” on 15 October 2015.

## **STUDENT ACHIEVEMENTS**

The students of M.C.A department participated in various Events are:

1. Maragoni Naresh of DMCA-13, participated Inter College Chess Competition which held on 21-09-2015 to 23-09-2015 at CBIT, Hyderabad and he also participated in the Intra College Chess Competition which was held within the Loyola Academy Degree & PG College premises and won the 2<sup>nd</sup> Prize. He also played a Cricket Tournament for Telangana State(TCA) which was held on 28-10-2015 to 31-10-2015 at LB Stadium.
2. Prajwal Rai DMCA-26, Kiran Rai DMCA-28 have participated in”ATHENA’15,”National Level Technical Symposium, organized by department of Computer Applications at Vasavi College of Engineering on 7<sup>th</sup> March 2015.
3. Kiran Rai DMCA-28, Prajwal Rai DMCA-26, Srinivas DMCA-15 , Vinay Reddy DMCA-25and Maragoni Naresh DMCA-13 have participated in the Semi-Finals of Intra College Football Match held for 2 days in the month of August at Loyola Football Ground, Hyderabad.
4. Sarah Christine DMCA-4, Ravindra Reddy DMCA-11 and Emmanuel Leon NMCA-35 attended a Youth Convention on 30-10-2015 to 2-10-2015 and the event was named as MAGIS which was organized by Jesuits Community and was held at St. Joseph’s College, Bangalore for 4 days. Sarah Christine, Ravindra Reddy ,Emmanuel Leon took part in all the activities conducted in 4 days. Sarah Christine participated in face painting.

# DEPARTMENT OF MCA

## DEPARTMENTAL REPORT 2016-17

### I. Departmental Activities

1. The Department of MCA has organized a guest lecture on “PC Hardware and Maintenance” on Dec 15, 2016 and Dec 19, 2016 for first year MCA students.

K. Harishwar Reddy, Security Consultant, EIQ Networks was the resource person.

- **Purpose:** To impart knowledge to the students on hardware, widening their scope for learning.
- **Report:** It included various topics like assembling of the system, troubleshooting and installation of the software. He gave many examples to explain the topics to its best.
- **Review:** The lecture was received with the increase appreciation. The participation and involvement of the students was commendable. It made the students aware of the hardware related problems.

2. The Department of M.C.A. has organized a guest lecture for second year M.C.A. students on Jan 7, 2017. The topic was “**LATEST TRENDS IN NETWORKING & SECURITY TECHNOLOGIES**” at PG seminar hall.

The guest speaker was **Mr. Gangaprasad Narla, Co-founder, Managing Director and CEO, GOLARS NETWORKS Pvt Ltd.**

- **Purpose:** To impart knowledge to the students on the latest trends in networking and security technologies.
- **Report:** It included various topics like professional foundation programmes, routing, switching and security.
- **Review:** The lecture was received well. The participation and involvement of the students was commendable. He told about the job opportunities in networking and in the field of security.



3. The Department of M.C.A. has organized a guest lecture for Final year M.C.A. students on Sep 17,2016 on the topic ”UNIFIED MODELING LANGUAGE”.

The guest speaker was **Mrs. B.Vaishnavi, Assistant Professor, St. Francis Degree and PG college.**

- **Purpose:** The purpose of conducting this guest lecture is to help students in designing major projects.
- **Report:** a case study was explained with the help of UML DIAGRAMS.
- **Review:** Students benefited with this workshop very much. They got good idea of using UML diagrams and applying them to design MAJOR projects.



4. The Department of M.C.A. has organized a guest lecture for second year M.C.A. students on Nov 9, 2016 on the topic “**ORACLE 11G FORMS AND REPORTS** “.

The guest speaker was **N. Pavan Kumar, DBA, Oracle Corporation.**

- **Purpose:** The purpose of conducting this guest lecture is to help students in designing Forms and Reports.
- **Report:** An application was explained and designed using Oracle 11G Forms and Reports.
- **Review:** Students benefited with this guest lecture very much. They got hands on experience and good idea of using **ORACLE 11G FORMS AND REPORTS** and

applying them to design applications.



**5. Department of MCA organized annual technical fest Technotsav 17, A journey from dreams to wonders, a one day extravaganza for the students of Information Technology.**

**Chief Guest** -Bhavani Reddy, Scientist – E Defence Electronics Research Organisation, DRDO Chandrayangutta, Hyderabad, Telengana.

**Guest Speech on Internet of Things By Mrs. Bhavani Reddy, Scientist – E. DRDO**

- **Purpose:** The main purpose of **Technotsav '17** is to perform a high level exploration through high level experts on the requirements and implications of **Internet of Things**. This event comes up with an objective of promoting interest in students about the current technology of Interconnection and Integration of physical world and cyber space.
- **Report:** Enabling anything to be connected and providing smartness to these connected things will bring a value across a number of sectors in the networked society. **The event was successful enough to attract as many as 60 registrations for the fest. The event executed with a total of 7 events planned and organized at its best of quality. Four formal events web designing, Coding and Debugging, Paper Presentation, Mock Interview and three informal events Brain Strom, General Quiz and Audio Visual quiz were conducted.**

- **Review:** Technotsav '17 provided platform for the students to present their ideas and show their technical skills by active participation in various organized events.



6 . The Department of M.C.A. has organized a Parent-Teacher meeting on 22<sup>nd</sup> Oct. 2016 for second year and final year students and for first year students the meeting was conducted on 3<sup>rd</sup> Dec 2016.

- **Purpose:** The main purpose is to create a common platform, where teacher and parents come together and discuss issues, regarding all round development of students.
- **Report:** Internal and External marks were shown to the student's parents and undertaking was taken from them for those students who have shortage of attendance and from those who did not write few internal exams.
- **Review:** Many parents were happy to know about their wards performance and few expressed their remarks.



## **II. Staff Achievements**

### **PUBLICATIONS**

1. DR.G.D. Jasmin has published a paper titled “Direction- Length Code (DLC) to Represent Binary Objects” in IOSR Journal of Computer Engineering, volume 18, Issue 2, Mar-Apr 2016
2. Mrs. G. Anitha Mary has published a paper titled “Protein Sequence Alignment Analysis using GPU Accelerated based tools for Genome” in International Journal of Advanced Research, volume 4, Issue 12, Dec 2016

### **GUEST LECTURES**

1. Dr. K. Vijaya Lakshmi had delivered a guest lecture on “Functional Analysis and Real Analysis” at Andhra Loyola College, Vijayawada on 15th October, 2016.

2. Dr. K. Vijaya Lakshmi had delivered a guest lecture on “Urysohn’s Imbedding Lemma-Topology” at St. Ann’s College for women on 26th October, 2016.
3. Mrs. K. Bharathi had delivered a guest lecture on ”Pointers in C” on 6th Sep, 2016 for B.Sc(Computer Science) students of Loyola Academy degree and PG college.
4. Dr. K. Vijaya Lakshmi has delivered a lecture on “Riemann Integral” on 6th March 2017 for Bsc (MSCs) second year students of Andhra Mahila Sabha Arts and Science College for Women, Hyd.
5. Dr. K. Vijaya Lakshmi has delivered a lecture on “Hahn Banach Theorem in Functional Analysis” on 16th March 2017 for P.G.Students of Andhra Mahila Sabha Arts and Science College for Women, Hyd.

### **Other achievements**

1. Dr. K, Vijaya Lakshmi is a member of Board of Studies in Mathematics, Osmania University.
2. Dr. K. Vijaya Lakshmi is appointed by Telugu Academy as one of the authors for second year Mathematics textbook as per revised syllabus.
3. The following members have attended two day workshop on “Analytics using R “ organized by CSI Hyderabad chapter, on 2nd and 3rd July 2016.  
A)Mrs. K.Bharathi B)Dr. G.D. Jasmin
4. The following members have attended a National Seminar on “Applications of Mathematics to Cryptography” on 6th January 2017 at Loyola Academy Degree and PG College.  
A).Mrs.M.Geetha                      B)Mrs.K.Bharathi    C)Mrs.P.V.NagaLakshmi  
D)Mrs.S.Hemalatha                  E)Mrs.G.Anitha Mary    F)Mrs.G.Sirisha
5. The The following members have attended a one day Seminar on “Research Process, Publications and Evaluation” at CSI Hyderabad Chapter on 28th Jan 2017.  
A)Mrs.K.Bharathi B)Mrs.S.Hemalatha

6. Mrs.K.Bharathi has participated MeitY, Govt of India sponsored FDP on “Python and R Programming” organized by E & ICT Academy, National Institute of Technology, Warangal at Dept of CSE, Anurag group of Institutions, Medchal Dist, Telangana, from 1st May to 6th May.

### **Student Achievements**

1. As part of PLANET program students of NMCA have participated in **PULSE POLIO IMMUNIZATION** program in Old Alwal on 29th Jan. 2017
2. As part of PLANET program students of AMCA have participated in **World TB Day** program in Old Alwal on 24th Mar. 2017.
3. MCA students won second place in **Intramural Cricket tournament** Students of NMCA have attended a seminar on “**Inaugural of Entrepreneurship cell**” organized by Department of MBA, Loyola Academy Degree and PG college, on Jan17, 2017

### **World TB Day Participation**



**Won 2nd place in Cricket Tournament**



# **MCA DEPARTMENTAL REPORT FOR THE ACADEMIC YEAR 2017-2018**

**AIM:** The main aim of **Master of Computer Applications** Course is to prepare the youth to take up positions as system analysts, system engineers, software engineers, programmers and of course as versatile teachers in any area of computer applications. Accordingly the course curriculum aims at developing 'systems thinking' 'abstract thinking', 'skills to analyze and synthesize', and 'skills to apply knowledge', through 'extensive problem solving sessions', 'hands on practice under various hardware/software environments', 'one minor projects and 'one semester full-time internship project'. In addition, 'social interaction skills', 'communication skills', 'life skills', 'entrepreneurial skills', and 'research skills' which are necessary for career growth and for leading quality life are also imparted.

**GOAL:** To achieve our high rate of success by providing high-quality education, not by burdening our students with meaningless coursework

**PURPOSE:** MCA course is augmented by several other initiatives made by the department to ensure holistic development of our students.

## **I. Departmental Activities**

1. The department of Master of Computer Applications has conducted Mass Plantation Programme "Grow Plants, Grow With Plants" on **22nd August 2017** at the premises of the college.

- **Purpose:** The purpose of this programme is a new initiative towards creating a sense of social responsibility among the students to make the surroundings green and a safe place for Future generation,
- **Report:** **Loyola Academy Degree & PG College, Telangana** organized a mass plantation programme "**Grow plants, Grow With Plants**" on **22nd August 2017** at the premises of the college  
Rev. Fr. J. Thainese, our correspondent, and Rev. Fr. K. Anil Kumar, Vice Principal P.G highlighted an outline of the programme. Further, Mrs. Naga Lakshmi Head of the Department, MCA addressed the gathering about the importance of plants in our life and ignited the mass about student's role in creating a green campus and initiated the plantation of the sapling followed by the students of **MCA** and other faculty members present
- **Review:** The major highlight of the programme is that **Hundred** saplings of **Neem Trees** which are best known for giving purified air and medicinal benefits were planted during the programme and all the students have shown their active participation and responsibility in planting those saplings carefully. Having self-discipline and self-determination to take responsibility for themselves and others is once again proven by **MCA** students.



# plantation program in Loyola



- by department of mca-2017

## 2. The Students of MCA Department has attended Bridge course:

- **Purpose:** Communication skills are essential for the successful future career of a student. A Bridge Course in English is conducted for all the first year students by the English Department, 19 students of MCA also have attended the course.

- **Report:** As many of MCA students are from the Rural areas they lack communication skills, this course helped them to develop their writing and communication skills. The syllabus for English Bridge Course includes Grammar like Verbs, Tenses, Active and Passive voices, Articles, Prepositions. Reading skills like Reading Compressions, Story narration, News paper Reading, just a minute, how to handle a telephonic conversation etc. Writing Skills like Dialogue writing, Written Compression, Time specific sentences. Two of our students S. Sanjay - 130, D. Siva Ram Teja – 133 have attended all the classes regularly and were awarded with prizes by the Management.

- **Review:** Reading, writing and listening carefully are the three most important communication skills for students. These skills like most of the communication skills sounds too familiar as a result of which we take them for granted. The knowledge and communication skills improved to the students by the end of the course



## 3. The Department of MCA has organized a FDP was a one day event on “**Research Process, Publications, Evaluation and Challenges in Research**” organized by the department of MCA on 21<sup>st</sup> oct,2017 at PG seminar hall from 9:30AM-4:30PM.

- **Purpose:** This FDP is intended to orient faculty members towards developing their own research plans with due attention to every stage of research and to equip teachers with skills and knowledge that are essential to do research.

- **Report:** Research is an important paradigm for existence of academic community. However due to Academic schedule, peer pressure and personal constraints not much of effort is put on research. Even if some amount of research is realized, it is not done in productive way. Due to peer pressure and pressure of competition, more emphasis is given for acquiring the Doctorate degree thereby the quality of research is degraded.

**Chief Guest:** Dr. Salmaan Abdul Moiz, Associate Professor, School of Computers and Information Science “from University of Hyderabad.

**Other Dignitaries:**

Rev Fr S.Raju SJ (Rector)

Rev Fr J.Thainese SJ(Correspondent)

Rev Fr Dr P.Anthony SJ (principal)

Fr Dr L.Joji Reddy (vice-principal UG)

Fr K.Anil Kumar SJ (vice-principal PG)

Mrs.P.V.Naga Lakshmi (convener).

**Prayer song Sung by:** kessy and team.

**Inaugration Host-** Mrs.M.Geetha.

**Lighting of Lamp:**

Rev Fr S.Raju SJ (Rector)

Rev Fr J.Thainese SJ(Correspondent)

Rev Fr Dr P.Anthony SJ (principal)

Fr Dr L.Joji Reddy (vice-principal UG)

Fr K.Anil Kumar SJ (vice-principal PG)

Mrs.P.V.Naga Lakshmi (convener).

**PROFILE READING -** Mrs.K.Bharathi.

**Registration Incharge -**Mrs.G.Anitha Mary.

Total no. of participants attended - 63

No. of students - 23

No. of Faculties - 40

Loyola & Govt college faculty free registration (15+2=17).

**For Government College Faculties and for Internal Faculties the Faculty Development Programme is provided Freely.**

We all the Faculty of our department also attended the Programme.

**Addressing the Gathering:**

Dr. Salmaan Abdul Moiz briefed about latest research. He also shared his experience how he was a successful research person.

Rev Fr S.Raju SJ (Rector)highlighted the importance of research in modern era.

Rev Fr J.Thainese SJ(Correspondent) appreciated for organizing such a state level program and gave the importance of research.

Rev Fr Dr P.Anthony SJ (principal) spoke about the researches in various fields and blessed.

Fr.Dr L.Joji Reddy Vice-Principal U.G. spoke about the importance of research.

### **Flag off:**

Mrs.P.V.Naga Lakshmi Convener of the event read the dynamics of the event and officially flagged off the event FDP-17.

### **Abstract:**

This program was divided into 3 sessions

1. **First Session:** Faculty Development Programme, an attempt has been made to make the participants understand the challenges in research and the mechanisms to deal with the same. It also presents the tips for formation of problem statement and process of producing contributions to research.
2. **Second Session-** discusses on the tips for publications with indexing and impact factor. Calculation of impact factor, h-index, i-10 index etc.
3. **Last Session-** the procedure and content of Research Projects and funding.

We successfully ended up event around 3:30 P.M and then we began with the valedictory session.

## **PROGRAMME SCHEDULE**

**(On Saturday, October 21, 2017)**

- |   |                           |
|---|---------------------------|
| <b>1. REGISTRATION</b>                    | <b>(09:30AM-09:45AM)</b>  |
| <b>2. INAUGURATION</b>                    | <b>(09:45AM-10:30AM)</b>  |
| <b>3. PRAYER SONG</b>                     | <b>(09:45AM - 9:55AM)</b> |
| <b>4. ADDRESS BY VARIOUS DIGNITARIES.</b> | <b>(9:55AM-10:20AM)</b>   |

### **5. ADDRESS BY THE CHEIF GUEST (10:20AM - 10:30AM)**

Dr. Salman Abdul Moiz,  
Associate Professor,  
School of Computer & Information Sciences (SCIS)  
University of Hyderabad.

- |                       |                          |
|-----------------------|--------------------------|
| <b>6. SESSION – I</b> | <b>(10:30AM-11:15AM)</b> |
|-----------------------|--------------------------|

<b>7. Tea Break</b>	<b>(11:15AM-11:30AM)</b>
<b>8. SESSION – II</b>	<b>(11:30AM-01:00PM)</b>
<b>----- LUNCH BREAK (01:00 PM - 01:30 PM) -----</b>	
<b>8. SESSION-III</b>	<b>(01:30PM-03:30PM)</b>
<b>9. VALEDICTORY SESSION</b>	<b>(03:30PM-04:00PM)</b>

### **Valedictory Session**

**Commencement Time:** 3.30pm

**Chief Guest:** Dr. Salmaan Abdul Moiz  
**Dignitaries:** Fr K.Anil Kumar SJ (vice-principal PG),

Mrs.P.V.Naga Lakshmi (convener).

**Prayer song:** Seek ye first kingdom of god

**Sung by :** Kessey and group

**Valedictory Host** Mrs.G.Shirisha

#### **Addressing the gathering:**

Mrs P.V.Naga Lakshmi, Convener presented the summary of the event.

The **Chief Guest** was felicitated with shawl and memento by Fr K.Anil Kumar SJ.

#### **Certificate Distribution:**

Certificates were distributed by the Chief guest Dr. Salmaan Abdul Moiz to the participants.

Certificates were distributed by the to the Student Coordinators who have helped in the FDP work to make it success.

**Vote of Thanks** by Mrs.G.Anitha Mary.

Event was closed with National Anthem

- **Review:**This Faculty Development Programme on “Research process, Publications, Evaluation and Challenges in Research” had enlightened faculty members towards developing their own research plans with due attention to every stage of research and equipped faculty with skills and knowledge that are essential that are essential to do research.







**LOYOLA ACADEMY DEGREE & PG COLLEGE (AUTONOMOUS)**

Alwal, Secunderabad - 500010

("College with Potential for Excellence" by UGC)

## State Level Faculty Development Programme

### CERTIFICATE OF PARTICIPATION

This is to acknowledge that G. ANITHA MARY  
 from Loyola Academy Degree & PG college has attended a State Level  
 Faculty Development Programme on "Research Process, Publications, Evaluation &  
 Challenges in Research" organized by the Department of MCA, **LOYOLA ACADEMY  
 DEGREE & PG COLLEGE, ALWAL** on 21<sup>st</sup> October 2017.

**Mrs. P V Nagalakshmi**

Convener, Faculty Development Program

**Rev. Fr Dr. P. Anthony SJ**

Principal, Loyola Academy

**PRINCIPAL**  
**LOYOLA ACADEMY DEGREE & PG COLLEGE**  
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Aspire. Inspire. Achieve.

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Alwal, Secunderabad - 500010

("College with Potential for Excellence" by UGC)

## State Level Faculty Development Programme

### CERTIFICATE OF PARTICIPATION

This is to acknowledge that K. BHARATHI  
from Loyola Academy Degree & PG college has attended a State Level  
Faculty Development Programme on "Research Process, Publications, Evaluation &  
Challenges in Research" organized by the Department of MCA, **LOYOLA ACADEMY  
DEGREE & PG COLLEGE, ALWAL** on 21<sup>st</sup> October 2017.

**Mrs. P V Nagalakshmi**

Convener, Faculty Development Program

**Rev. Fr. Dr. P. Anthony SJ**

Principal Loyola Academy



# LOYOLA ACADEMY DEGREE & PG COLLEGE (AUTONOMOUS)

Alwal, Secunderabad - 500010  
("College with Potential for Excellence" by UGC)

## State Level Faculty Development Programme

### CERTIFICATE OF PARTICIPATION

This is to acknowledge that G. SIRISHA  
from Loyola Academy Degree & PG college has attended a State Level  
Faculty Development Programme on "Research Process, Publications, Evaluation &  
Challenges in Research" organized by the Department of MCA, **LOYOLA ACADEMY  
DEGREE & PG COLLEGE, ALWAL** on 21<sup>st</sup> October 2017.

Mrs. P V Nagalakshmi  
Convener, Faculty Development Program

Rev. Fr Dr. P. Anthony SJ  
Principal, Loyola Academy

PRINCIPAL  
LOYOLA ACADEMY DEGREE & PG COLLEGE



# LOYOLA ACADEMY DEGREE & PG COLLEGE (AUTONOMOUS)

Alwal, Secunderabad - 500010  
("College with Potential for Excellence" by UGC)

## State Level Faculty Development Programme

### CERTIFICATE OF PARTICIPATION

This is to acknowledge that P.V. NAGA LAKSHMI  
from Loyola Academy Degree & PG college has attended a State Level  
Faculty Development Programme on "Research Process, Publications, Evaluation &  
Challenges in Research" organized by the Department of MCA, **LOYOLA ACADEMY  
DEGREE & PG COLLEGE, ALWAL** on 21<sup>st</sup> October 2017.

Mrs. P V Nagalakshmi  
Convener, Faculty Development Program

Rev. Fr Dr. P. Anthony SJ  
Principal, Loyola Academy

PRINCIPAL  
LOYOLA ACADEMY DEGREE & PG COLLEGE  
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Old Alwal, Secunderabad-500 010. T.S.



4.A guest lecture on Interview Skills Development was organized at Seminar Hall of Loyola Academy Degree and Pg College on 30/08/2017 by departments of MCA and MBA.

- Purpose:** Personality Development Programme (PDP) is aimed at increasing Employability of the Students.

- Report** Lecture was delivered by Mr. M. Ram Mohan from Institute of Personality Development, Hyderabad. The session began with a brief overview of the Interview skills for the students in which he initially introduced the students to the real life time situations that they will face and how they need to prepare themselves for the Interviews.



Further he provided a detailed insight into resume writing techniques. He also emphasized the significance of personal grooming, body language and postures, mannerism to be adopted before appearing for an interview.

Speaker explained how interviews are conducted, what are expected questions, how to face interviews etc.,

He also spoke about certain commonly asked questions in an interview like, Tell me about yourself ,What can you do for us, Why this organisation, Why this job and so on.

He stressed on understanding the description and requirements of the job before attempting for an interview.

- **Review:** The session ended with an interactive question answer session .The programme was very interactive and informative. According to the speaker, the success mantras for an interview are to be confident, positive and loyal.

5.The Department of Master of Computer Applications conducted a Guest Lecture on “PC HARDWARE & MAINTENANCE” WORKSHOP on 3<sup>rd</sup> November 2017, Friday, IT Workshop from 1:00 PM to 3:45 PM.

- **Purpose:**This work shop aimed to showcase **knowledge** and skills contained in these Computer Maintenance & Repair standards cover the necessary competencies for an entry-level IT professional including installing, building, **upgrading**, repairing, **configuring**, troubleshooting.
- **Report:**On 3<sup>rd</sup> November 2017, Friday, IT Workshop on “PC Hardware & Maintenance” was organized by the Department of MCA from 1:00 PM to 3:45 PM. The resource persons were Mr. Viswanath, Assistant Professor, Loyola Academy and Mr. Ravi Teja IOT Trainee Engineer, Bulwarrk Integrated System Pvt LTD.

Mr. Viswanath, Assistant Professor, Loyola Academy is a security researcher and InfoSec trainee with having more than 3 years of experience. He is a certified Ethical Hackers from EC-Council. He has also delivered training in various parts of Karnataka, Tamil Nadu and Andhra Pradesh. He is also a certified Forensic Investigator Security Associate.

Mr. Ravi Teja has also worked as RTL Design Engineer for VLSI front end design and verification in FPGA and completed a Diploma Certificate course in Advance VLSI Design in Wings Vision Technology. He is expertise in development of IP level and SOC level verification platform using Verilog/VHDL/System Verilog.The students of MCA [1<sup>st</sup> year] actively participated in the program along with Mrs. M. Geetha. Mr. Viswanath & Mr. Ravi Teja acknowledged the student with key components of the computer Hardware and displayed the various parts of the Motherboard. They also gave detailed information about the processes that take place inside a PC from start to end. There was a 1hour of theoretical session and remaining 1hour 45 minutes were of practical session , where the students got the chance to know the PC hardware with better clarity. The session also covered about “Network and Networking” and along with various “Ethernet Security Hacks”.

- **Review:**All the students had a great enthusiasm towards learning and grabbed the opportunity actively.Overall, it was a good exposure and opportunity for all the students to understand the “PC hardware & Maintenance” to the full length and achieved better grip on the subject.



6. The Department of M.C.A. has organized a guest lecture for second year M.C.A. students as part Guest Lecture Program on “**Design and Analysis of Algorithms, V- Unit**”, “**NP Hard and NP Complete**” on December 7<sup>th</sup> 2017.

- **Purpose:** In computational complexity theory, an **NP-complete** decision problem is one belonging to both the NP and the **NP-hard** complexity , and it is one of the important and practical approach needed topic.
- **Report:**The speaker was Mrs. B. Swarna Sree Consultant. Next Education Pvt. Ltd. She focused on differences between NP Hard and NP Complete and Cook’s Theorem with many examples.

- **Review:**It was very helpful to the students as she high lightened all the problems



and their efficiencies.



7.The department of M.C.A has organized Parent-Teacher meeting on **16<sup>th</sup> September 2017** for **final year students(2015-2018)** and to **First and Second** year MCA Students on **3<sup>rd</sup> March 2018**.

- **Purpose:**The main purpose of meet was to create a common platform, where teacher and parents come together to enrich the student's educational experiences and discuss variety of issues, regarding all round development of students.



- **Report:** Internal and External marks were shown to the student's parents and undertaking was taken from them for those students who have shortage of attendance and from those who did not write few internal exams. about 90% of the parents have turned up, ie,40 students parents of 53 students from first year and 30 students parents of 45 students have turned up.
- **Review:**Many parents were happy to see their wards marks and few expressed their remarks.



**8.** The department of MCA organized an **industrial visit for one-day** to **BSNL Regional Telecom Training Centre, Gachibowli, Hyderabad**. This visit was organised on 28<sup>th</sup> February 2018 for the class of MCA 1<sup>st</sup> (AMCA) and 2<sup>nd</sup> year (NMCA).

- **Purpose:** This Industrial Visit was organized to benefit students with the technical terms and the knowledge of how network is playing key role in industry sector
- **Report:** The One-day visit was organized with prior permission from BSNL Regional Telecom Training Centre, Gachibowli, Hyderabad. The sessions conducted were very educational and gave the students the exposure as to how the industry and the outside market works. The students were benefited with the technical terms and the knowledge of how network is playing key role in industry sector, how a call setup is made using landline and mobile phones and functionality of optical fiber. The company outreach plus opportunities were discussed which motivated the students to progress in their stream.

**The details of the trip are:**

1. The buses departure from the campus for Gachibowli was at 09:30hrs.
2. The students reached the BSNL office. By 10:30hrs.
3. The senior manager gave a warm welcome.
4. At 10:45 hrs, the staff split the total number of students in four

groups.

5. Moreover, there are 4 class sessions that are located at different blocks that are attended by four groups simultaneously.

6. Session 1 Time 11:00 – 11:45 Visit to Broad band Lab

7. Session 2 Time 11:45 – 12:30 Visit to GSM/CDMA Lab

8. Session 3 Time 12:30- 13:15 Visit to OFC/OFS

9. Session 4 Time 13:15- 14:00 Visit to Switching Labs

10. By 14:00 hrs All the sessions of all four groups were completed.

11. Then the students then proceeded towards BSNL Canteen for lunch.

12. By 15:30hrs, the bus left for campus and reached the campus by 17:00hrs

- **Review:** The students learned namely Broad band ,GSM/CDMA, OFC/OFS Switching, Internet, Broadband, Carrier service, MPLS-VPN, VSAT, VoIP etc.





9. The Department of Master of Computer Applications went for **PLANET Programme** to Cherlapally and Chenchalguda jail on **17th March 2018**.

- **Purpose:** As the part of their curriculum, the **Loyola Academy Degree & PG College, Telangana** organized a visit to the Cherlapally and Chenchalguda jail for the students on 17th March 2018.
- **Report:** **Rev. Fr. Dr. Pothireddy Anthony SJ**, our correspondent, and **Rev. Fr. K. Anil Kumar**, Vice principal P.G. Highlighted an outline of the programme. Further, **Mrs. Naga Lakshmi** Head of the **MCA** department and along with the **Stephen sir** of department of addressed the importance of the people who are in jail and need to motivate them.

The major highlight of the program is that we need to know the people's problem because of what they have come into the jail. Many of the people came to jail because of robbing, begging, and kidnapping the small children. We need to motivate the people that they should not do those work when they get released from the jail and they should also know the importance of the family.

We had listen to each and every problem of them and we had told the people that they should not do those works again and again and also we had done the nail cutting to the old people, we cleaned their premises, we have served the food and the tea to the people. We have also released 10 of the people keeping our id cards as a proof. The people are very happy seeing us and they went with their family to their respective houses.

- **Review:** Having self-discipline and self-determination to take responsibility for themselves and others is once again proved by MCA students





## 10. The Department of Master of Computer Applications Workshop on “JAVASCRIPTING” by INCUBATION CENTRE

- **Purpose:** This workshop aimed at creating awareness to students on skills and endorsements on Node.js, MongoDB, HTML5, jQuery UI & React.js .
- **Report:** On 16<sup>th</sup> Nov & 17<sup>th</sup> Nov 2017, “JAVASCRIPTING” workshop was organized by the Incubation Committee. The resource person was Mr. Sidharth Sahu, Full Stack Application Developer.

Mr. Sidharth Sahu, is a, Full Stack Application Developer at Reverie Language Technologies Pvt. Ltd, Bengaluru with having more than 3 years of experience. He worked as a Website designer at Labscraft creations, Bhubaneswar almost for 6 years. He has featured skills and endorsements on Node.js, MongoDB, HTML5, jQuery UI & React.js.

The eleven (11) students of MCA [2nd year] actively participated in the first phase of the workshop.

Mr. Sidharth Sahu acknowledges the student with actual requirements and the needs of Software Industry in present situation. He also gave the detailed knowledge of installing and the proper working of the React.js, MongoDB, and Node.js on two different Operating system windows and Ubuntu. There was a 3 hour of theoretical session on 16<sup>th</sup> Nov and remaining 3 hours was detailed about the process of installing the packages and required applications on both the platform. On 17<sup>th</sup> Nov 2017, he detailed and shown about the working of all the application and packages. He also made understand the inter-related connection between all the packages to each other. All the eleven students got the chance to know about the different environment and the working principal of the software organization.

- **Review:** All the students had a great enthusiasm towards learning and grabbed the opportunity actively. Overall, it was a good exposure and opportunity for all the students to understand the “JAVASCRIPTING” to the full length and achieve better strong grip on the subject.



**11. The Department of Master of Computer Applications has organized a One Day Seminar on Next Generation Technology Cloud Computing held on 21<sup>st</sup> March 2018.**

- **Purpose:** This Seminar was organized to provide post graduate students of MCA with the comprehensive and in-depth knowledge of **Cloud Computing** concepts, technologies, architecture and applications by introducing and researching state-of-the-art in **Cloud Computing**.
- **Report:** Resource person Mr. Sathish Yellanki ,M.D. Sykes's Techno PVT LTD. The session has two phases, the first phase includes inauguration, introducing the resource person and introduction to cloud computing about the resource person. This was done by the second year students of the MCA department by **G. Sneha, P. Satyaraj.**

**The session began with the lightening of the lamp by our principal Rev. Fr. Dr. P. Anthony SJ. After which he motivated us with his great speech.**

### ***Profile Addressing***

We are very much glad to introduce the resource person Mr.Sathish Yellanki. The profile of the guest of honor Mr. Sathish Yellanki was read by the second year student Roshan kumar. He has done a very excellent job introducing



### **Next Generation Technology: Cloud Computing**

The session which was given by Mr. Sathish Yellanki was really very interactive and had a lot of technical stuffs. The way he gave the seminar is really the matter of appreciation. On that day he enlightened us

### ***Vote Of Thanks & Honor Of The Resource Person***

Vote of thanks was given by Miss K. Himaja Devi, student of second year of MCA department. At last the resource person was honored by our H.O.D Mrs. P.V.Naga Lakshmi with memento and shawl.





- **Review:** The Students gained Knowledge on Cloud Computing concepts, technologies, architecture and applications by introducing and researching state-of-the-art in **Cloud Computing** .

## II.Student Achievements

1. The students of M.C.A participated in IT Fest TechNoid organized by computer science & Engineering Department of Loyola Degree college, Old Alwal. The Students **Gopinath Vamshi** , bearing hall-ticket number 1117-039-15-141 being honoured as **First Rank Holder** and **K.Rakesh Reddy** ,bearing hall ticket Number **1117-039-15-104** has won First prize in Quiz.



**LOYOLA ACADEMY DEGREE & PG COLLEGE**

Alwal, Secunderabad - 500010

"College with potential for Excellence" by UGC  
(Autonomous and affiliated to Osmania University)  
Be accredited with 'A' Grade (3 B/4 D CIPSA) by NMAC  
"College with Potential for Excellence" by UGC

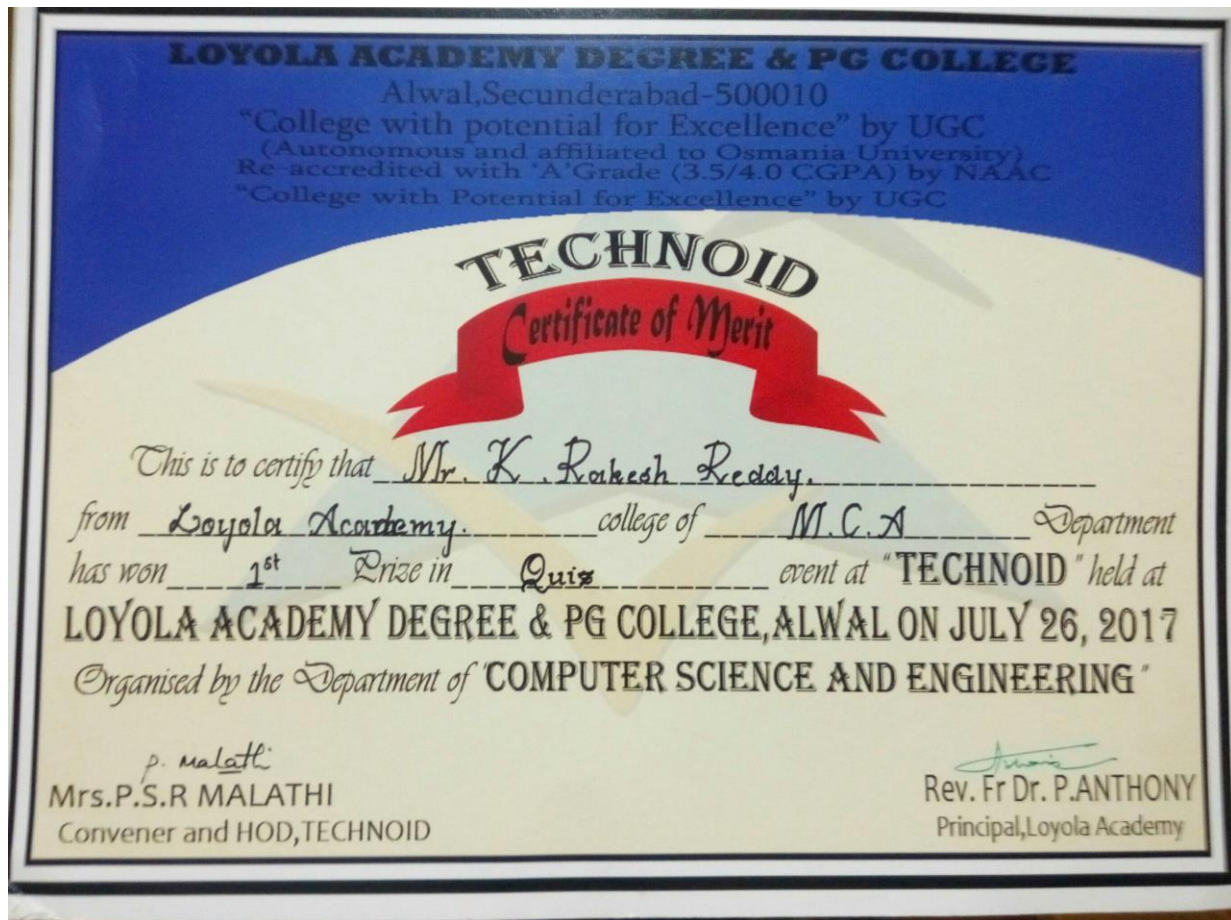
**TECHNOID**

**Certificate of Merit**

This is to certify that Mr. T. G. Vamsi  
from Loyola Academy college of M. C. A. Department  
has won 1<sup>st</sup> Prize in Quiz event at "TECHNOID" held at  
**LOYOLA ACADEMY DEGREE & PG COLLEGE, ALWAL ON JULY 26, 2017**  
Organised by the Department of "COMPUTER SCIENCE AND ENGINEERING"

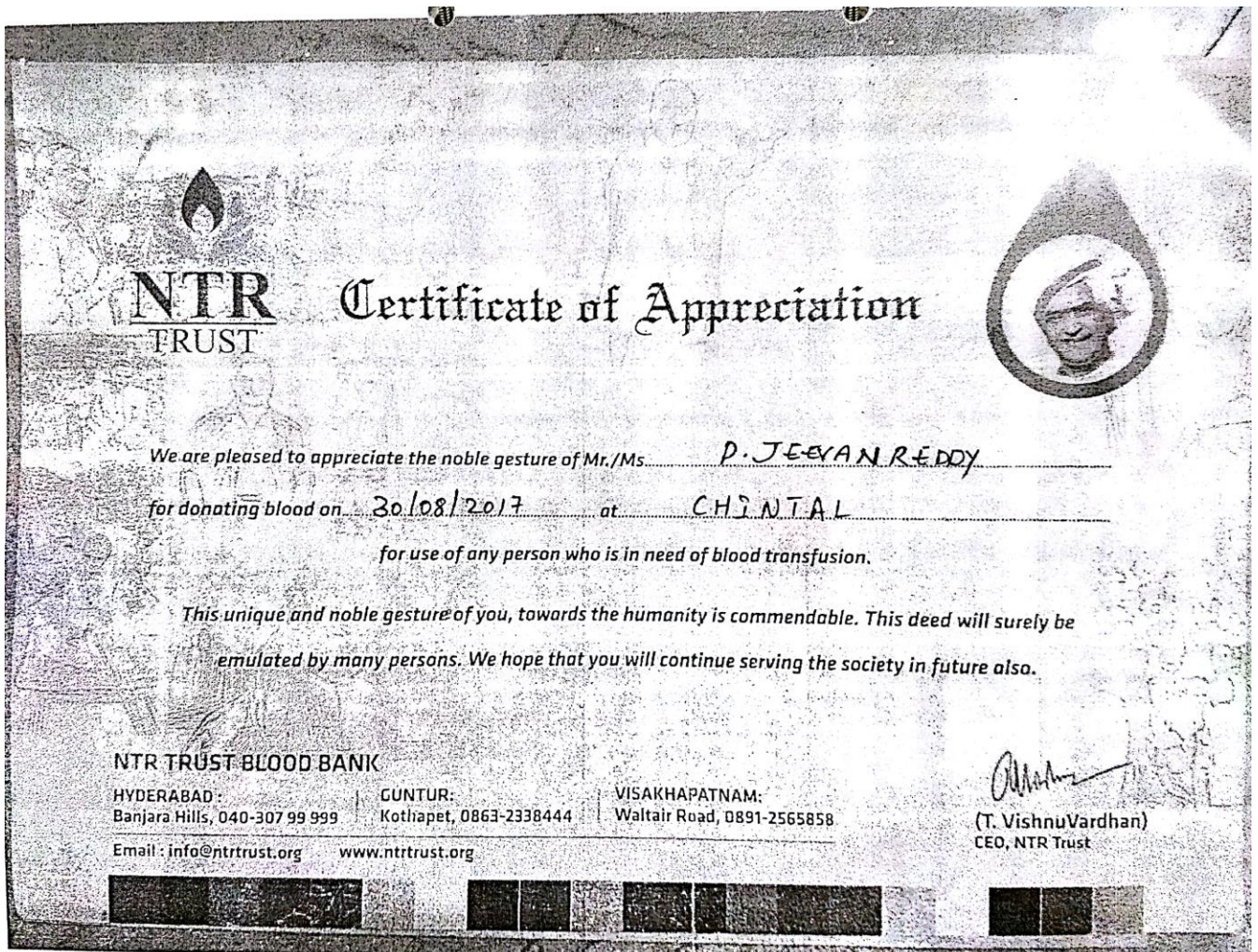
*p. malathi*  
Mrs. P. S. R. MALATHI  
Convener and HOD, TECHNOID

*Anthony*  
Rev. Fr. Dr. P. ANTHONY  
Principal, Loyola Academy



2. The Students of MCA Final year has **donated blood** during the Blood Donation Camp held by NTR Trust Blood Bank on 30-AUG-2017 in Qutbullapur premises.

Donors: P Jeevan Reddy, M.Manideep Reddy, P.Sharan, Sathish Kumar.





## Certificate of Appreciation



We are pleased to appreciate the noble gesture of Mr./Ms. SATHISH  
for donating blood on 30/08/2017 at CHSNTAL  
for use of any person who is in need of blood transfusion.

*This unique and noble gesture of you, towards the humanity is commendable. This deed will surely be emulated by many persons. We hope that you will continue serving the society in future also.*

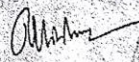
### NTR TRUST BLOOD BANK

HYDERABAD :  
Banjara Hills, 040-307 99 999

GUNTUR:  
Kothapet, 0863-2338444

VISAKHAPATNAM:  
Waltair Road, 0891-2565858

Email : [info@ntrtrust.org](mailto:info@ntrtrust.org) [www.ntrtrust.org](http://www.ntrtrust.org)

  
(T. VishnuVardhan)  
CEO, NTR Trust



3. The students of **Master of Computer Applications** has participated actively on **On February 23<sup>rd</sup>, 24<sup>th</sup> & February 26<sup>th</sup> – 1<sup>st</sup> March 2018**, the “**INTEGRATED INTERNATIONAL IMERSION CONFERENCE (IIIC)**” was organized by our college Loyola Academy Degree & PG College.

Total **eight students** from department of MCA actively participated in the IIIC. Among them six students submitted the **full length paper** and two students submitted the abstract.

On 26<sup>th</sup> February 2018, **five students** have presented the **seminar** on various topics like

- “Cloud Computing Services Based on IoT ” by Miss. K. Himaja Devi,
- “Internet of Things for Smart House” by Mr. Roshan Kumar Singh,
- “ Indian Agriculture using Cloud Computing” by Mr. Vikash Kumar and

- “A Global Road Safety Function using IoT with Big Data Analytics” by Miss Priyanka Ghadai & Vyshnavi S.







# Loyola Academy Degree & PG College

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"A COLLEGE WITH POTENTIAL FOR EXCELLENCE" - UGC  
ALWAL, SECUNDERABAD -500010, T.S.



## INTEGRATED INTERNATIONAL IMMERSION CONFERENCE(IIIC)

"Igniting Novel Ideas to Generate Opportunities"

### INIGO

Date: 23<sup>rd</sup> February - 1<sup>st</sup> March, 2018

## Certificate

This is to certify that Prof./Dr./Mr./Ms. Koshan Kumar Singh  
has participated/Presented a paper/poster entitled, "IOT for smart house"  
and won \_\_\_\_\_ prize in IIIC, 2017-2018.



Principal

LOYOLA ACADEMY DEGREE & PG COLLEGE  
Re-Accredited by NAAC with 'A' GRADE  
A COLLEGE WITH POTENTIAL FOR EXCELLENCE  
Old Alwal, Secunderabad-500010, T.S.

Convenor

Vice-Principal  
LOYOLA ACADEMY  
Alwal, Secunderabad-10.



# Loyola Academy Degree & PG College

(AUTONOMOUS & AFFILIATED TO OSMANIA UNIVERSITY)  
RE-ACCREDITED WITH 'A' GRADE WITH 3.50/4.00 CGPA BY NAAC  
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ALWAL, SECUNDERABAD -500010, T.S.



## INTEGRATED INTERNATIONAL IMMERSION CONFERENCE (IIIC)

"Igniting Novel Ideas to Generate Opportunities"

### INIGO

Date: 23<sup>rd</sup> February - 1<sup>st</sup> March, 2018

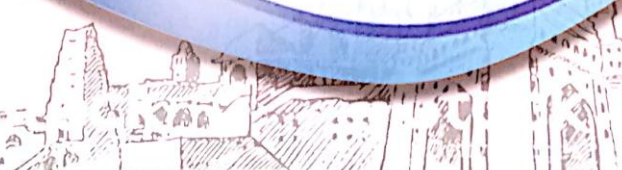
## Certificate

This is to certify that Prof./Dr./Mr./Ms. Kesari Himaja Devi  
has participated/Presented a paper/poster entitled, "Cloud computing services based on IOT"  
and won \_\_\_\_\_ prize in IIIC, 2017-2018.



*[Signature]*  
President  
PRINCIPAL

LOYOLA ACADEMY DEGREE & PG COLLEGE  
Re-Accredited by NAAC with 'A' Grade  
"A COLLEGE WITH POTENTIAL FOR EXCELLENCE"  
Old Alwal, Secunderabad-500 010, T.S.



*[Signature]*  
Convenor

LOYOLA ACADEMY  
Alwal, Secunderabad-10.



## Loyola Academy Degree & PG College

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Tsja

### INTEGRATED INTERNATIONAL IMMERSION CONFERENCE (IIIC)

"Igniting Novel Ideas to Generate Opportunities"

**INIGO**

Date: 23<sup>rd</sup> February - 1<sup>st</sup> March, 2018

### Certificate

This is to certify that Prof./Dr./Mr./Ms. Kessyalex  
has participated/Presented a paper/poster entitled, Web Security Services  
and won \_\_\_\_\_ prize in IIIC, 2017-2018.

President

LOYOLA ACADEMY  
RE-ACCREDITED WITH 'A' GRADE WITH 3.50/4.00 CGPA BY NAAC

Convenor

LOYOLA ACADEMY  
ALWAL, SECUNDERABAD-500010

On 23<sup>th</sup> February 2018, **ten students** have exhibited the **module** on various topics like

- **"IoT Based Sensors for Agriculture"** by Miss. K. Himaja Devi, Miss Kessy Alex, Mr. P. Satya Raj & Mr. Roshan Kumar Singh
- **" Indian Agriculture using Cloud Computing"** by Mr. Vikash Kumar, Miss Priyanka Ghadai and Vyshnavi S
- **"On Gaming"** Mr. Arvind Reddy & Mr. Satlin Joseph

All the students got the chance to express their talent in different environment and they enhance inborn talents.

All the students had a great enthusiasm towards grabbing the opportunity in the form of module exhibition.

Overall, it was a good exposure and opportunity for all the students to understand the sophisticated technology which is mainly concentrated on the software technology. This International Conference to the full length and has achieved better strong grip on the subject.





4. The students of MCA participated in IT Fest TechNoid organized by computer science & Engineering Department of Loyola Degree College, Old Alwal. The Students **Gopinath Vamshi**(111703915141) being honoured as **First Rank Holder** and **K. Rakesh Reddy** (111703915103) has won First prize in Quiz.

5. **Miss.Sadhana** (111703915145) has secured 3<sup>rd</sup> place in **Rongoli** Competition at Resonance.

6. **Mr. K.Mohan Thakur**(111703917141) has secured 1<sup>st</sup> place in Hindi Slam **Poetry** at Resonance.

7.**Miss. K.Himaja**(111703916113) and **Mr.Roshan**(111703916136) have **presented a seminar** on the Indian IT & ITES Industry at COLLAB 2K17 on **1<sup>st</sup> December 2017**.

8. **Mr. Rajnish**(111703916147) has participated in **FootBall** Match representing India in **12<sup>th</sup> South Asian 7 aside Championship**,held at Pokhara,**Nepal** from **13-Jan-2018 to 18-Jan-2018**.

**9.Mr. Rajnish**(111703916147) has participated in **FootBall Match** in Hyderabad Football League(HFL) from Deccan Blasters from **08-Jan-2018 to 27-Jan-2018**.

**10. Mr. Rajnish**(111703916147) has **won FootBall Match**,Inter-College Osmania University Tournament from Loyola Academy Degree & PG College Team from **27-Jan-2018 to 29-Jan-2018**.

**11.Mr. Rajnish**(111703916147) has **won in FootBall Matches of Sakshi Tournament**.Telangana FootBall Association (Division B),LSH Tounament, Football Peace stars Tounament organized in 2017-18

**12.Mr.Shaik Ameen**(1117-039-17-151) has secured **2<sup>nd</sup> position** in **Basket Ball held by All India Championship** representing Telangana State durning 13<sup>th</sup> to 15<sup>th</sup> Nov 2017 at New Delhi.

**13. Mr.Shaik Ameen**(1117-039-17-151) has secured **3<sup>rd</sup> position** in **Hand Ball** held by Osmania University, Hyd on 10<sup>th</sup> Nov 2017.

**14. Mr.Krishnanendu Mohan Thakur** has received an **award for Poetry** conducted by **Desil Boyana Award** for Literary Contribution.

**15. Mr.Krishnanendu Mohan Thakur** has received an **award** for Poetry from Chetra Samiti, for Literary Contribution,Givt. Of India..

**16.** The Students of MCA **First** and **Second** year (NMCA-08,NMCA-44, AMCA-34& AMCA-20 ) have participated in the “**Inter –Collegiate Competitions**”, Decennial Celebrations of Little Flower Degree College,Uppal,Hyderabad.on **11th September,2017**.The Certificates are enclosed here.

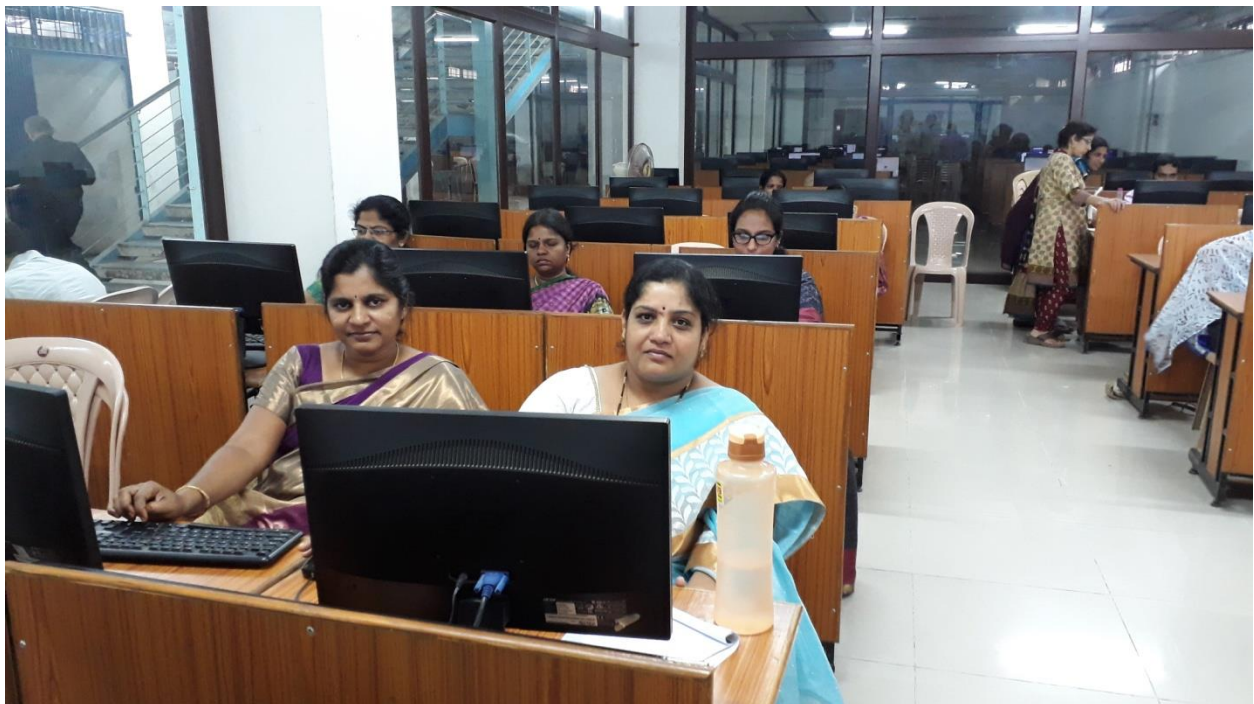
### **III. Staff Achievements**

- **Exams Qualified by Faculty**

**1. Mrs. K.Bharathi** has qualified **APSET** and **TSSET** 2017.

- **Workshops/Seminars Attended by Faculty**

1. Mrs. K. Bharathi has attended workshops on “Big Data Analytics and Deep Learning “ at MJCET on 3<sup>rd</sup> to 8<sup>th</sup> January 2018, “Data Analytics using R” at Vardhaman College of Engineering from 27<sup>th</sup> to 28<sup>th</sup> October 2017.
2. Mrs.G.Sirisha attended a Faculty development Program on “Python Programming” organized by Aurora Degree & PG College , Chikkadpally, on 16<sup>th</sup> September 2017 .
3. The resource person of the day was Dr.V.Ramana and has practically demonstrated about how to use python.



FACULTY DEVELOPMENT PROGRAMME ON  
"PYTHON PROGRAMMING"



## Certificate

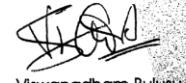
This is to certify that  
Dr./Mr./Ms. G. Sirisha  
of Loyola Academy College  
has attended a Faculty Development Programme on

"PYTHON PROGRAMMING"

organized by the Department of Computer Science on 16<sup>th</sup> September 2017  
at Aurora's Degree & PG College, Chikkadpally, Block-VI, Near RTC X Roads, Hyderabad.

  
Dr. D.V. Ramana  
Resource Person

  
Nagesh Babu R  
Convener

  
Viswanadham Bulusu  
Principal

Aurora's Degree & PG College, Chikkadpally, Hyderabad - 500 020, Tel: 040 2766 2668, URL: [www.adc.edu.in](http://www.adc.edu.in)

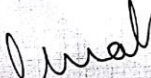



**MUFFAKHAM JAH COLLEGE OF ENGINEERING AND TECHNOLOGY**  
(Affiliated to Osmania University and Approved by A.I.C.T.E.)  
(Established by Sultan-ul-Uloom Education Society in 1980)  
Hyderabad-500034 (T.S.)



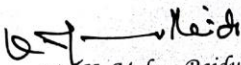
## PARTICIPATION CERTIFICATE

This is to certify that Mr./Ms. BHARATHI. K.  
of LOYOLA ACADEMY DEGREE & PG COLLEGE has attended one week  
Faculty Development Program on "Big Data Analytics and Deep Learning" organised  
by Computer Science and Engineering Department in collaboration with Computer  
Society of India (CSI), Hyderabad from 03 - 08, January-2018 at MJCET, Hyderabad.

  
Prof. Uma N. Dulhare  
Coordinator

  
Prof. A. A. Moiz Qyser  
Head, CSED

  
Dr. Basheer Ahmed  
Advisor Cum Director

  
Mr. K. Mohan Raidu  
Chairman, CSI, Hyderabad

#### IV. Academic Result

Year	Pass Percentage
MCA III Year(2015-2018 Batch)	100%
MCA II Year(2016-2019 Batch)	87.5%
MCA I Year(2017-2020 Batch)	80%

#### VI. Research publications:

##### Paper Published/Presented

1. Mrs. G.Anitha Mary faculty member, published a paper on "InSilico study of Human Lung Cancer Oncogenes and their Proteins using different software Tools" May 2017 in International Journal of Advanced Research in Computer Science .

2. **Mrs. K. Bharathi** has presented a Research paper titled "**Content Based Image Retrieval: An Overview of Architecture, Challenges and Issues**" during International Conference on Applied Sciences, Engineering , Technology and Management held at DRK Institute of Science and Technology, on 2<sup>nd</sup>-3<sup>rd</sup> November 2017.
3. **Mrs .P.V.Naga Lakshmi faculty member**, published a paper on "**Protocols of IOT & Applications of Iort**" February 2018 in **International Journal of Research and Analytical Reviews ISSN 2349-5138** with an impact factor of 4.236.
4. **Mrs .G.Anitha Mary faculty member**, published a paper on "**Customized Cluster 3.0 for Lung Cancer of Human and Mouse**" February 2018 in **International Journal of Research and Analytical Reviews ISSN 2349-5138** with an impact factor of 4.236.
5. **Mrs. M. Geetha** has published a paper in "Integrated International Immersion Conference (IIIC)" on "**A Hybrid Approach For Query Processing Over Linked Database**" organized by Loyola Academy Degree and PG college on **23 rd Feb to 1 st March, 2018**.
6. **Mrs. G. Sirisha** has published a paper in "Integrated International Immersion Conference (IIIC)" on "**Secure Data Sharing in Cloud Computing Using Revocable Storage Identity-Based Encryption**" organized by Loyola Academy on **23 rd Feb to 1st March, 2018**. Degree and PG college on 23 rd Feb to 1 st march, 2018.
7. **Mrs. P. Sree Rathna Malathi Mary** has published a paper in "Integrated International Immersion Conference (IIIC)" on "**An Approach to Secure MQTT Payload in Internet of Things using Inverse Matrix Cryptography**" organized by Loyola Academy Degree and PG college on **23 rd Feb to 1st march, 2018**.



DRK Institute of Science and Technology, Hyderabad  
 Institute For Engineering Research and Publication (IFERP)



# CERTIFICATE


OF PARTICIPATION

**International Conference on  
 Applied Sciences, Engineering, Technology and Management (ICASETM-17)**  
 02<sup>nd</sup> - 03<sup>rd</sup> November 2017, Hyderabad

This is to certify that ..... **K. Bharathi** .....  
 of ..... Loyola Academy Degree and PG College ..... presented  
 his/her research paper titled ..... *Content Based Image Retrieval: An Overview of Architecture, Challenges and Issues* .....  
 ..... during "International  
 Conference on Applied Sciences, Engineering, Technology and Management (ICASETM-17)" held at  
 DRK Institute of Science and Technology, Hyderabad on 02<sup>nd</sup> - 03<sup>rd</sup> November 2017.

  
**Mr. Rudra Bhanu Satpathy**  
 Director  
 IFERP

  
**Dr. D. V. Rao**  
 Principal  
 DRKIST, Hyderabad

  
**Dr. K. Dhanasree Devi**  
 Convener  
 DRKIST, Hyderabad





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ALWAL, SECUNDERABAD - 500010, T.S.



## INTEGRATED INTERNATIONAL IMMERSION CONFERENCE (IIIC)

"Igniting Novel Ideas to Generate Opportunities"

### INIGO

Date: 23<sup>rd</sup> February - 1<sup>st</sup> March, 2018

## Certificate

This is to certify that Prof. i. Dr. i. Mr. i. Ms. J.V. Nagu Lakshmi  
has participated/ Presented a paper/poster entitled, \_\_\_\_\_  
and won \_\_\_\_\_ prize in IIIC, 2017-2018.

  
President  
PRINCIPAL

LOYOLA ACADEMY DEGREE & PG COLLEGE  
Re-Accredited by NAAC with 'A' Grade  
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ALWAL, Secunderabad-500010, T.S.

  
Convenor





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## INTEGRATED INTERNATIONAL IMMERSION CONFERENCE(IIIC)

"Igniting Novel Ideas to Generate Opportunities"

### INIGO

Date: 23<sup>rd</sup> February - 1<sup>st</sup> March, 2018

## Certificate

This is to certify that Prof./Dr./Mr./Ms. G. Sirisha  
has participated/Presented a paper/poster entitled, \_\_\_\_\_  
and won \_\_\_\_\_ prize in IIIC, 2017-2018.



Principal

PRINCIPAL  
LOYOLA ACADEMY DEGREE & PG COLLEGE  
Re-Accredited by NAAC, with 'A' Grade  
"A COLLEGE WITH POTENTIAL FOR EXCELLENCE"  
ALWAL, SECUNDERABAD - 500 010, T.S.



Convenor

Vice-Principal  
LOYOLA ACADEMY  
ALWAL, SECUNDERABAD - 500 010, T.S.



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## INTEGRATED INTERNATIONAL IMMERSION CONFERENCE(IIIC)

"Igniting Novel Ideas to Generate Opportunities"

### INIGO

Date: 23<sup>rd</sup> February - 1<sup>st</sup> March, 2018

## Certificate

This is to certify that Prof./Dr./Mr./Ms. *M. Geetha*  
has participated/ Presented a paper/poster entitled, "  
and won \_\_\_\_\_ prize in IIIC, 2017-2018.



President

PRINCIPAL

LOYOLA ACADEMY DEGREE & PG COLLEGE  
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ALWAL, SECUNDERABAD - 500 010, T.S.



Convenor

Vice-Principal

LOYOLA ACADEMY

Alwal, Secunderabad-10.



## V. Career Placements 2017-18

Students placed in the year 2017-18				
Sl. No.	UID Number	Name of the Student	Organization Placed in	Salary Offered
1	111703915154	A. Akshay Reddy	Wipro	2 lac
2	111703915141	Vamshi TG	Caribou Technologies	2.2 lac
3	111703915116	A. Amarnath	C-EDGE Technologies Ltd	2 lac
4	111703915130	Narendra Chary	Cadrac Labs	1.85 lac

5	111703915106	Nagaraj	Cadrac Labs	1.85 lac
6	111703915121	Ramu	Cadrac Labs	1.85 lac
7	1117039151119	Bal Raj	Cards Labs	1.85 lac
8	111703915156	Raman	Amaazon	1.8 lac
9	111703915152	Binju	Wipro	2 lac
10	111703915153	Pothi Reddy Jeevan	Buzz Works	1.85 lac
11	111703915108	Tejaswini	ICICI	2.5 lac
12	111703915147	Santosh	Uni sol	2.2 lac
13	111703915102	Mandeep	Value Labs	1.5 lac
14	111703915109	Krishna Teja	Timing Technologies India Pvt ltd	1.5 lac
15	111703915132	Sharan	Cognizant	1.85 lac
16	111703917145	SadhanaBiswas	BeyondebizPytImt	1.5 lac
17	111703915111	Eshwar	Adro it Sws Private Limited	2.2 lac
18	111703915102	Naresh	TAGFACT data analyst	2.2 lac
19	111703915103	Rakesh	Timing Technologies India Pvt ltd	1.5 lac
20.	111703915147	Raju Saudhagar	Caribou Technologies	2.2 lac
21.	1117039137	Sarath Chandra	AKS Wave Solution.	1.5lac

22.	1117039135	S.Naresh	Tag Fact Services Pvt. Ltd.	1.8 lac
23.	1117039124	R Sandeep Reddy	Sri Sai Agro Pvt. LTD.	3 lac
24.	1117039125	S.Sravanthi	Optum Global Solutions.(INDIA) Pvt.	2.3lac
25.	1117039158	Santhosh	Timing Technologies India Pvt ltd	1.5 lac

**VI. Book Publications: Nil**

**(Mrs. P.V.Naga Lakshmi)**

**HOD, Dept. of Master of Computer Applications.**

# DEPARTMENT OF MCA

## DEPARTMENTAL REPORT 2018-19

### I. Departmental Activities

1. The department of MCA has conducted a “**Clean and Green Program**” on 18-08-2018 and 21-09-2018 at Loyola Academy PG and Degree College, Alwal.

- **Purpose:** The purpose of this programme was to make the surrounding clean and green. The venue for the act was Loyola Farm. It was initiation to clean the farm house by removing the unwanted plants i.e. the weeds by the process of weeding.
- **Report:** Clean & Green Program was done under the initiation of the Rev. Father Dr. L. Joji Reddy. In this program all the students and the staff member of P.G. department has participated in this program. This Program enhanced the student with an objective of eco-friendly and itemphasizes the students in the concept of vegetation. It is one of the most memorable day to mingle with nature and to seek lot of knowledge about the shrubs and herbs.
- **Review:** With the help of this program we come to get opportunity to come close to the nature. We came across a number of new plants, fruits and many more. This program helps to create cordial relations among the students and to learn much about new things. When the program is being held the climate was really adorable.



2. The department of MCA has taken the final year students and second year students, to Bangalore, Mysore and Ooty as part of industrial visit from 10 October 2018 to 15 October 2018.

- **Purpose:** To enhance the learning through the process of productive industrial visits. The unit operations and unit process would be witnessed practically, which made the students understand the concepts better.
- **Report:** A count of 240 students were part of this trip along 8 faculty members. The trip started from Hyderabad station on 10<sup>th</sup> night and we reached Bangalore by 11 a.m. The first visit for MCA Department was scheduled at 3:00 p.m. to Software Technology Parks of India (SPTI), Bangalore. Software Technology Parks of India (STPI), an autonomous society under Ministry of Electronics and Information Technology (MeitY), Govt. of India has been set up with distinct focus to boost up Software export from the country. STPI is constantly working with an objective to implement STP/EHTP scheme formulated by Govt. of India, set up and manage infrastructural facilities. It was great experience in the company. Next day we moved towards Mysore. The Journey started at 6:00 in the morning. The Journey included visits to sriranganathaswamy temple, St.philomena church, Mysore Palace, Chamundi Hill, Brindhavan Garden. And Third day trip moved towards Ooty where students visited Ooty lake.
- **Review:** The students enjoyed the process. Captured all their beautiful moments in a bundle memories to carry throughout their life. Overall, it was a good exposure and opportunity for all the students.



3. A guest lecture was organized for the II year students of the Department of MCA on '**DAA (Data Analysis of Algorithm)**' on 6 November, 2018 by Abdul Bari, Asst. Professor & HOD IT Dept., SVIT
  - **Purpose:** To impart knowledge to the students in the field of Data Analysis of Algorithm, widening their scope for learning.
  - **Report:** It included various topics like NP hard and NP Complete Problems, Cook's Theorem, NP Graph Problem, scheduling and code generations problem. He acknowledged the students about the subject. He gave many examples to explain the topics to its best.
  - **Review:** The lecture was received with the increase appreciation. The participation and involvement of the students was commendable. It made the students grasp an idea of career opportunities in the field of education.



**4. A guest lecture was organized for the III year students of the Department of MCA on ‘R language by Mr. Ravi Munukutla**

**Purpose:** One day workshop conducted in R language. The Purpose of conducting this guest lecture is to give good idea about supervised learning using Regression models in R.

**Report:** We are proud to have our guest Mr. Ravi Munukutla. The session was carried out by five hours. It was very informative and attractive. He detailed much of the current generation technology. The topics which he taught were Regression analysis, Interesting predictions, Multi co linearity.

**Review:** Students benefited with this workshop very much. They got good idea of supervised learning using regression models in R. They also got insights of visualization. Also he touched upon the job opportunities in the field of data science, AI and Machine learning.



**5. The department of MCA has organized a two day Seminar on “LOYOLA ACADEMY NATIONAL SEMINAR ON ANALYTICS” on 16 November 2018 and 17 November 2018 on the occasion of 25<sup>th</sup> silver jubilee of the MCA department in Loyola Academy.**

- **Purpose:** The purpose of the seminar is to orient students towards the big data and analytics in business scenario. It provides an opportunity for the students of different disciplines of various educational institutions all over the country to enhance their knowledge in analytics and show their talents by participating in different events organized by departments.

- **Report Day 1:** The seminar was organized in Indigo hall and it started at 9.30 a.m. with an efficient set of speakers who enlightened the audience on the topics related to the seminar.

Session	Time	Topic	Name of the Speaker
I	09:30 a.m. to 11:00 a.m.	HR Analytics and its contribution to talent management.	Mr.KJA Swarup, Former GM (HR) ITC, Professor NarseeMonje Institute of Management Studies.
II	1:30 a.m. To 2:30 p.m.	Predicative analysis	Dr.J.Krishnaiah, Sr.Manager(R&D), corporate R&D BHEL HYD

Session 1 was followed by Poster Presentation. Where all most 14 participants selected for final round. There were participants from other colleges also. Poster Presentation was then followed by session 2 of the seminar on the topic Predicative analysis by the respective speaker.

- **Report day 2:**

Session	Time	Topic	Name of the Speaker
I	11:00 a.m. to 12:15 p.m	Trends in Business Analysis	Mr. Ravi Munukutla
II	2:30 a.m. To 3:30 p.m.	Business value improvement using actionable data in sights	Sri P. Ravi Shankar. CEO, Cashapona

Next of Session 1 for day 2 was Paper Presentations. Where the participants had to present their research papers in the form ppt. presentations. The second day ended valedictory ceremony where the winners were awarded. Then lastly there was alumina talk. All the ex students of Loyola shared their experience in college on the occasion of 25<sup>th</sup> anniversary of MCA department.

- **Review:** The seminar was quite appreciable. The varied speakers were glad to be a part of the seminar, where the outlook was to measure the research in the field of Chemical Engineering. It opened wide doors for exchange of new ideas, bringing people in the same field under one roof. The students happily received better knowledge about big data and its fields. The seminar was well received by both staff and students. It also enhanced the career skills in the students, who wished to pursue higher education in the field.

- **SOUVENIR RELEASE**

An account of 25 years of MCA celebrations a souvenir was released on big data and analytics.

- Total no.of participants-50+265=315
- From other colleges-50
- From Loyola college-265

# Seminar held on Big Data Analytics



**Hyderabad:** Loyola Academy Degree and PG College held a two-day national seminar on Big Data Analytics. It was organised by MCA and MBA departments on the occasion of silver jubilee celebrations of MCA. AGM of BHEL Ramakrishna, CEO of Cemetrix IT services Madhavi Vuppalaapati, former GM ITC KJASwarup, Rector of Loyola college S Raju, Principal of Loyola DrAnthony and Vice-Principal Dr L Joji Reddy graced the occasion. Students were invited to present their articles on analytics. Competitions and poster presentation were also held.

## లయాలాలో ఎంసీపి రజతోత్సవాలు

**పుత్య ప్రదర్శనలో విద్యార్థినులు**

అనలిటిక్స్ పరిశోధనపై ఎంసీపి, ఎంబీఏ విద్యార్థులతో ఏర్పాటు చేసిన రెండు రోజుల జాతీయ సదస్సును బీహెచ్ఐఎల్ సహాయ జనరల్ మేనేజర్ రామకృష్ణ ప్రారంభించారు. ఆంతుకుముందు విద్యార్థులు సృత్య ప్రదర్శనలతో ఆకట్టుకొన్నారు. కార్యక్రమంలో సెమిట్రీక్ ఐటీ సర్వీసు సీఈవో మాధవి ఉప్పలపాటి, ప్రెస్సిపల్ అంధోని, వైస్ ప్రెసిపల్ జోజిరెడ్డి తదితరులు పాల్గొన్నారు.

**అల్యూల్, న్యూన్టుడే:** అల్యూల్లోని లయాలా ఆకాడమీలోని ఎంసీపి రజతోత్సవాలు శుక్రవారం మనంగా ప్రారంభమయ్యాయి. ఈ సందర్భంగా బిజినెస్

# లయాలలో బిజినెస్ అనాలటిక్స్ జాతీయ సదస్సు



లయాలా జాతీయ సదస్సులో సావనీరీను విడుదల చేస్తున్న ముఖ్య అతిథులు



కళా ప్రదర్శనలు చేస్తున్న విద్యార్థులు

మనతెలంగాణ / అల్యూల్: లయాలలో ఎంసీపి కోర్సును ప్రారంభించి 25 ఏళ్లు పూర్తయిన సందర్భంగా రజతోత్సవ వేడుకలను ఘనంగా నిర్వహించారు. లయాలలో వ్యాపార విశ్లేషణ (బిజినెస్ అనాలటిక్స్) అనే అంతర్గత రెండురోజుల జాతీయ సదస్సును ఎంసీపి, ఎంబీఏ

శాఖలు నిర్వహిస్తున్నాయి. ప్రారంభ వేడుకలకు బీహెచ్ఐఎల్ ఆసిస్టెంట్ జనరల్ మెనేజర్ రామకృష్ణ, సీజిఐ సెమిట్రీక్ ఐటీ ఉప్పలపాటి మాధవి, ప్రారంభించారు. ఈ సందర్భంగా వారు మాట్లాడుతూ నేటి అంతర్జాతీయ డిజిటల్ వ్యాపార రంగంలో టీటా యొక్క ప్రాధాన్యత, ఖైర్ కంప్యూటరింగ్, ఆర్టిఫిషియల్ ఇంటెలిజెన్స్ అనే రంగాలు వేగంగా వృద్ధి చెందుతున్నాయి. తద్వారా విద్యార్థులకు ఈ రంగాలలో ఉద్యోగ ఉపాధి అవకాశాలు మెండుగా ఉన్నాయని పేర్కొన్నారు. బీహెచ్ఐఎల్ మేనేజర్, ఆర్



## 6. Parent Teacher Meeting Report 2018-2019

The department of M.C.A has organized Parent-Teacher meeting for **First, Second and Final** year MCA Students on **1<sup>st</sup> December 2018**.

- **Purpose:** The main purpose of meet was to create a common platform, where teacher and parents come together to enrich the student's educational experiences, disciplinary issues and discuss variety of issues, regarding all round development of students.





- **Report:** Internal and External marks were shown to the student's parents and undertaking was taken from them for those students who have shortage of attendance and from those who did not write few internal exams. About 98% of the parents have turned up, i.e., 39 student's parents of 40 students from First year, 48 student's parents of 51 students from Second year and 40 students parents of 44 students have turned up from Final year.
- **Review:** Many parents were happy to see their wards marks and few expressed their remarks.

## II. Staff Achievements

1. **Mrs. P.V. Naga Lakshmi** has qualified for **TS-SET** and **UGC-NET** in the year 2018.
2. **Mrs. P.V.Naga Lakshmi** has attended a **Faculty Development Programme on "Data Analytics with R"** organized by **E & ICT Academy, National Institute of Technology & science, Shaikpet, Hyderabad** from **30<sup>th</sup> April to 5<sup>th</sup> May 2018**.
3. **Mrs. G. Anitha Mary** has published a paper in "**International Journal of Advanced Research in Computer Science (IJARCS)**" on "**Identification of Hotspot in Protein Sequences Using CPNR & DWT**" which has been held from **May- June 2018**.
4. **Mrs. G. Anitha Mary** has submitted "**Thesis (PH.D)**" which was held on **July 13<sup>th</sup> 2018 to "SV University"**.
5. **Mrs. M. Geetha** presented a paper in "**Integrated International Immersion Conference (IIIC)**" on "**A Hybrid Approach For Query Processing Over Linked Database**" organized by **Loyola Academy Degree and PG college** on **23<sup>rd</sup> Feb to 1<sup>st</sup> march, 2018**.
6. **Mrs. P. Sree Rathna Malathi Mary** presented a paper in "**Integrated International Immersion Conference (IIIC)**" on "**An Approach to Secure MQTT Payload in Internet of Things using Inverse Matrix Cryptography**" organized by **Loyola Academy Degree and PG college** on **23<sup>rd</sup> Feb to 1<sup>st</sup> march, 2018**.
7. **Mrs. G. Sirisha** presented a paper in "**Integrated International Immersion Conference (IIIC)**" on "**Secure Data Sharing in Cloud Computing Using Revocable Storage Identity-Based Encryption**" organized by **Loyola Academy Degree and PG college** on **23<sup>rd</sup> Feb to 1<sup>st</sup> march, 2018**.
8. **Mrs. P.V. Naga Lakshmi, Mrs. Bharathi, Mrs. M. Geetha, Mrs. G. Anitha Mary Mrs. P. SreeRathnaMalathi and Mrs. G. Sirisha** have attended a "**National Seminar on Data Analytics**" organized by **Loyola Academy Degree and PG college** on **16<sup>th</sup> and 17<sup>th</sup> November 2018**
9. **Mrs.P.S.R.Malathi** has attended a **Five Day Short Term Training Program on "Applied Cryptography & Security Mechanisms"** organized by **VNR Vignola Jyothi Institute of Engineering and Technology, in collaboration with CSI** from **03<sup>rd</sup> to 08<sup>th</sup> December, 2018**.

10. Mrs.P.V.Naga Lakshmi, Mrs.G.Anitha Mary and Mrs.G.Sirisha have attended a Faculty Development Program on “Building a Virtual Learning Environment” organized by Little Flower College, Uppal, Hyderabad on 19<sup>th</sup> Dec 2018.

### III. Student Achievements

1. Ms. Priyanka Ghadai a student of MCA II year has participated in Coding and won 2<sup>nd</sup> price conducted by the Department of computer Systems and Engineering “Anonymous Hardware Hackathon” organized by Loyola Academy Degree & PG College on September 1<sup>st</sup> 2018.



There are many students participated in Coding & Gaming

#### CODING

- Priyanka Ghadai NMCA 46
- Keerthi NMCA 08
- Pramood NMCA 23
- Stalin NMCA 07

#### GAMING

- Roshan Kumar NMCA 18
- Arvind Reddy NMCA 52
- Zafar Imam NMCA 47

2. Mr. ShaikAmeed has participated in “Sakshi Tournament” which was conducted in the year 2017 by Sakshi in Basketball and won 1<sup>st</sup> place with the Medal.



3. **Mr. Shaik Ameen** has participated in “**MLRIT Tournament**” held by “**MLRIT Engineering College in Basketball**” and won 2<sup>nd</sup> place with a cash price of 8k conducted on October 5<sup>th</sup> and 6<sup>th</sup> 2018.



4. **Mr. Shaik Ameen** has participated in “**Father Balaiah Tournament**” held by “**Loyola Academy Degree and PG College in Basketball**” and won 2<sup>nd</sup> place conducted on Feb 4<sup>th</sup> to 8<sup>th</sup> 2018.
5. **Mr. Shaik Ameen** has participated in “**Inter college Handball Tournament**” held by “**OU**” at “**St. Martins Engineering college**” and won 3<sup>rd</sup> place conducted on Nov 10<sup>th</sup>. He also got a “**National Certificate for Basketball**” in 2<sup>nd</sup> place and he was also a “**Runner up for the Department Competition of Basketball**”.





6. **Mr. Rajinish** has participated in “**Inter Department Football**” held at “**Loyola Grounds**” on November 4<sup>th</sup> 2018.
7. **Mr. Rajinish** has participated in “**Inter College Football Tournament**” held at “**Loyola Grounds**” Captain of Football Team on September 4 and 5<sup>th</sup> 2018.



8. **Mr. Rajinish** has participated in “**Telangana Football Association(TFA)**” held at “**A Division Rahim League at Gymkhana ground and Goshamahal Football Stadium Played from Tarnaka FC (TFC) and Now Qualified for Super League** ” on September 24<sup>th</sup> 2018.



**9. Mr. Rajinish has participated in “19th Nationals 7 A-side Football Championship From Telangana” held at “At Duler stadium Goa”on September 6<sup>th</sup> to 8<sup>th</sup> 2018.**



**10. Mr. Rajinish has participated in “V.v.nagar 5 A-side Football tournament Played from Jawar soccer club ” and Winners Jawar soccer club Got the Top Scorer Award on February 12<sup>th</sup>2018.**



11. **Mr. K. M. Thakur** has participated in “**Slam poetry**” and won 3<sup>rd</sup> price and he also won 1<sup>st</sup> price in “**Solo Singing**” held at “**Loyola Degree and PG College**” on October 27<sup>th</sup> 2018.



12. **Mr. K. M. Thakur** has participated in “**Janakpur Litrature festival, NEPAL**” as a delegate and

13. Speak on the topic of “**Modern and midilevelmaithili Play**” held at “**Bhanumati Auditorium, Janakpur, Nepal**” on 25thJune 2018.



14. **Mr. K. M. Thakur** has participated in “**Maithili Literature Festival, Saharsa, Bihar**” as a delegate and Speak on the topic of “**Favoritism in Literature**” held at “**Ramesh Jha Mahila Collage ,Auditorium, Saharsa, Bihar**” on October 29<sup>th</sup>Dec2018.



15. **Mr. K. M. Thakur** has participated in “**Maithili Literature Festival, Saharsa, Bihar**” as a delegate and narrated his **Gazalin** the session “**Kavi-Sammelan**” held at “**Ramesh Jha Mahila Collage ,Auditorium, Saharsa, Bihar**” on October 28<sup>th</sup>Dec2018.



16. **Mr. K. M. Thakur** has participated in “**MaithilaSanskritik Parishad, Hyderabad**” as a delegate and sings “**Indian Classical Music**” Raga based **Bandish**” held at “**ITC Kalabhawan ,Auditorium, Hyderabad**” on October 30<sup>th</sup>Dec 2018.



17. **Mr. K. M. Thakur** has participated in “Bihar Association, Hyderabad” and spoke on “A literal journey of a great Dramatist of Indian Regional language: Bhikhari Thakur” held at “Navjeevan School Auditorium, Hyderabad” on October 22<sup>th</sup> Nov 2018.



18. **Mr. K. M. Thakur** has participated in “National Poetry Festival” as a delegate which is conducted by “Department of Art And Culture & Language, Govt. Of Delhi” and Narrates “Gazal” held at “Press club of India, Mawalankar Auditorium, New Delhi” on October 19<sup>th</sup> Jan 2019.



19. **InQUIZitive:** The “Loyola Academy Degree & PG College” has organized an inquisitive competition for the PG students of the Loyola College in which all the Departments have participated. We had prelims in which we had a written test NMCA and DMCA has gone to finals. The Department of MCA has won the 1<sup>st</sup> price held on July 21<sup>st</sup> 2018.

- Priyanka NMCA 46
- Sanjay NMCA 30
- Ramesh NMCA 28
- Abhinay NMCA 12
- SajoSaji NMCA 45
- Shabarinath NMCA 20



- Manoj DMCA26
- Sandeep DMCA02
- SaiPavan DMCA31
- Sandeep DMCA40
- Hanumanth DMCA08
- Uday DMCA49



**20. LAMUN:** The “Loyola Academy Degree & PG College” has organized an LAMUN Event for the PG students of the Loyola College in which all the Department s have participated. The Department of MCA has won the 2<sup>nd</sup> price held on September 20<sup>th</sup> 2018.

- Priyanka NMCA46
- Diana NMCA43
- Vyshnavi NMCA13



**21. Ms. Priyanka Ghadai** has participated in “**Drawing Competition**” and won 1<sup>st</sup> price and she also won 2<sup>nd</sup> price in “**Article Writing**” held at “**Loyola Degree and PG College**” on October 27<sup>th</sup> 2018.



**21. Blood Donation Camp:** There was a “**Blood Donation Camp**” which was organized by the “**Catholic Health Association of India (CHAI) and the NSS Unit of Loyola Academy Degree & PG College**” within our college premises. In which 12 teams of highly qualified doctors, nurses and medical technicians have visited the campus. The MCA Department has taken the active participation in the blood donation camp held on September 7<sup>th</sup> 2018.



**22. IIC Integrated International Immersion Conference:** From the Department of MCA the students have participated in the **Integrated International Immersion Conference**. In that the MCA students have wrote papers that have been published.

- Satya Raja (**ABSTRACT**) DMCA
- Himaja
- Vikash Kumar (**Agriculture in India Using Cloud Computing Technology**) DMCA
- Roshan Kumar Singh

#### IV. Career Placements 2018-19

MCA Students placed in the year 2018-19				
Sl. No.	UID Number	Name of the Student	Organization Placed in	Salary Offered
1	111703916136	Roshan Kumar Singh	Caribou Technologies	1.08 lac(Internship)
2	111703916137	Vikash Kumar	Caribou Technologies	1.08 lac
3	111703916104	Ameti Ajay Kumar	FoodNi	Internship
4	111703916107	Baireddy Hanumanth Reddy	FoodNi	Internship
5	111703916112	Gunnala Sreekanth Reddy	FoodNi	Internship
6	111703916102	R.Sandeep Kumar	BHEL	Internship
7	111703916134	L.Akhil Kumar Reddy	BHEL	Internship
8	111703916132	K. Gracy	Tech Citi Private Technologies.	1.2lac(Internship)
9	111703916108	G.Sarath Kumar	Cashpona Technologies PVT Ltd	Internship
10	111703916116	Polirathi Ranadheer	Cashpona Technologies PVT Ltd	Internship
11	111703916115	Dadange Ghashyam	Cashpona Technologies PVT Ltd	Internship
12	111703916105	Mr.Chandubatla	Volken Technologies	Internship
13	111703916133	Ms.C Priyanka Das	Volken Technologies	Internship
14	111703916111	Ms. M Samudrala Anusha	Volken Technologies	Internship
15	111703916114	Mr. Sreepathi Ranadheer	Volken Technologies	Internship
16	111703916125	Mr.Plineni Manoj	Volken Technologies	Internship
17	111703916126	Mr.Pochammala Praveen	Volken Technologies	Internship
18	111703916131	Mr. Gdupalli Sai Pavan	Volken Technologies	Internship

#### V. Research publications:

1. Mrs. G. Anitha Mary has published a paper in “**International Journal of Advanced Research in Computer Science (IJARCS)**” on “**Identification of Hotspot in Protein Sequences Using CPNR & DWT**” which has been held from May- June 2018.

#### VI. Book Publications: Nil

(Mrs. P.V. Naga Lakshmi)  
HOD, Dept. of MCA

## **DEPARTMENT OF MCA**

### **DEPARTMENTAL REPORT 2019-20**

#### **I. Departmental Activities**

##### **a) PLANET REPORT**

**Title of the Practice:** PLANET (Program of Loyola Academy for Neighborhood Empowerment and Transformation)

#### **PURPOSE:**

**Objectives of the Practice:** After its inception in the year 2011, the PLANET program formalized and consolidated all the social extension and outreach programs and activities of the College as part of the Curriculum. The program has the following objectives:

- To implement the mission of the college and the Society of Jesus, “to form men and women for and with others.”
- To inculcate and to infuse in students social responsibility and a compassionate commitment and conscience for the society and the neighborhood.
- To benefit society by rendering various services.
- To work with NGOs and Government Organizations for societal development and on various other socially relevant themes.
- To empower the rural masses and thereby establish close linkages between the Urban center and the rural community.

#### **REPORT**

The Telangana State Prison Department’s initiative to end the menace of beggars in Hyderabad on 20<sup>th</sup> July 2019.

Until now, 6,605 beggars were brought to the Anand Ashram on the Chanchalguda prison premises. Of them, 6,411 were rehabilitated and also handed over to their families. Currently, there are 194 male beggars who are accommodated in the ashram.

#### **Anand Ashram**

This organisation started campaigning in the name of “Do not encourage begging” in city and requesting every people to stop encouraging beggars. According to V.K.Singh, till today 210 beggars are residing in Anand ashram and women and girls beggars are kept in Cherlapally jail. If anybody was seen begging on streets, or at temples, mosques people are told to contact on these numbers: 040-24511791, 040-24414940.

## A beggar-free city

The department intends to make Hyderabad a beggar free city.

Beggars have equal rights as a citizen but yet they are not being taken care of and don't hold any stake in our society. While the Greater Hyderabad Municipal Corporation (GHMC) provides night shelters, it doesn't have the expertise in terms of rehabilitation and counseling, which is why that the Prisons Department has take up the exercise.

Officials also said that most of the beggars who were detained, were unskilled, making them unemployable.

To ensure that they receive adequate training, they have already employed five of the beggars who had their educational certificates, at the Anand Ashram itself. The long-term goal is to make the entire prison self-sufficient, by employing these people as caretakers and for other such jobs.

The Prisons Department has always promoted the rehabilitation of prisoners through innovative methods. They are looking to make Hyderabad beggar-free.

As much as ₹1.74 crore was spent to set up infrastructure at both ashrams. This included expenses for food and medicine, among others. Cots, mattresses and medical kits have also been provided to inmates.

No beggars have been kept at the ashrams against their will, but they were counseled against begging and to return to their families. Inmates are undergoing regular health check-ups with doctors visiting the ashrams on referral. Inmates who have been suffering from mental health issues have been referred to the Institute of Mental Health (IMH) in Erragadda.



## b) REPORT ON THE INDUSTRIAL VISIT

**Objective:** Industrial Visit to develop new skills and motivate the students.

**Purpose :**As the part of their curriculum, the **Loyola Academy Degree & PG College, Telangana** organized a 4 day Industrial Visit to Pune, Mahabaleshwar and Lovonala From 24-09-2019 to 29-09-19

**Rev.Fr.Dr.Pothireddy Anthony SJ**, our correspondent , and **Rev.Fr GnanadevanSwaminathan SJ**, Vice principal **Rev.Fr.Dr.L. JojiReddy**(P.G) Highlighted an outline of the programme. Further ,**Mrs. Naga Lakshmi** Head of the MCA department and **Mrs.K. Bharathi**Associate Professor,**MCA**and our Tour Guide **Lokendar**has guided all the students.

We have started on 24-09-2019 from Hyderabad Deccan Railway Station at 8.30PM and the students were around 47 and 2 Faculty. We have reached to PUNE on 25-09-2016 around 09.05AM.

#### **Day I: A Visit to Pune**

One day Industrial Visit was recently organized on 25-09-2019 we have visited a **C-DAC (Centre for Development of Advanced Computing)**a premier R&D organization in IT and Electronics, by the Department of **MCA** .Under the Guidance of **Mrs. Naga Lakshmi**Head of the MCA department and **Mrs.K. Bharathi**Associate Professor, **MCA**, the industrial visit to C-DAC, conducted exclusively for the students of **MCA**, was a grand success.

**Centre for Development of Advanced Computing(C-DAC)** is a premier R&D organization in IT, Electronics and associated areas. C-DAC , ever since its foundation, has been constantly working on strengthening national technological capabilities in the context of global developments in this field and responding to change in the market need in selected foundation areas. PARAM, a series of supercomputers designed and assembled by C-DAC in Pune,India is an incredible example.

Upon reaching C-DAC, the students were shown a short presentation highlighting the organization's ideas,missions and values. It also briefed on the milestones it has reached. A small model of the supercomputer PARAM YUVA was shown to the students. PARAM YUVA-II being the latest addition in the list of its achievements, which will be used for research in space,bioinformatics, weather fore casting, seismic data analysis and aeronautical engineering.



After the industrial visit, all the students and the Faculty headed to **Shaniwar Wada** Pune located on Bajorao Road in Pune, near the Mula-Mutha River. This expansive fort-palace was built between 1730 to 1732. We also visited a **Shreemant Dagdusheth Halwai Ganapati Mandir** it is dedicated to the Hindu God Ganesh. The temple is popular in Maharashtra and is visited by over hundred thousand pilgrims every year.





## Day II: A Visit to Mahabaleshwar:

Early in the morning we all started from Pune to Mahabaleshwar. Mahabaleshwar is one the most famous tourist place & hill station in India. In Mahabaleshwar there are many beautiful places to visit. We have visited a **Old Mahabaleshwar Temple**, This temple is of Lord Shiva and is a must visit place for it has a great view and the inside of the temple is of a small kund with Shiva linga and other deities. The temple is an old temple...made in black stone...there is a huge idol of Nandi kept at the entrance..the idol is also carved from black stone..all other idols in the temple are also carved from black stone..the temple is very unlike other temples in India..nocrowd..easy to pray in front of deity...very good experience...the temple is located near other temples as well.

Then we have visited a **Mapro Garden** it is park in the hill station of Panchagani. It is famous for Strawberry produce and famous tourist attraction.





### Day III and Day IV: A Visit to Lonovola:

Early in the morning we have started to Lonovola, s a town and a hill station Municipal Council in Pune district in the Indian State of Maharashtra.<sup>[1]</sup> It is about 64 km west of modern-day Pune city and 96 km to the east of Mumbai.

On the first day we have visited a **Bushi Dam** and a **Water Fall**,it's a fantastic experience getting wet in the rains at the flowing waters of bhushidam,the atmosphere is awesome the best time to visit is when it's raining.

We also visited the **KaralaCaves**,These caves are ancient Buddhist caves and one of the most famous centres of early rock-cut architecture. Thought not as magnificent as Ajanta Ellora but it has it's own old world charm. The approach road is slightly in bad shape but is reachable upto the steps.





On the second day we had visited a **Lohagad Fort**, The trek to the top of the fort is itself 5 KMs from the base and have tar road, on which you can hire tempo as well if you want. You can spot various refreshment stuff sellers on the road and taking a trek with its road is a wonderful experience. The fort is amazing viewing at the top is just awesome, Best place to visit in rainy season july since it will be covered bt nature try to reach before 3 in evening.



**Review :** It was a great experience for all students. Everyone got to increase their knowledge and also made memories to carry along.

### c) Career Counselling Report

**Title of the Program:** Career Counselling Report

**Purpose:** IDP is a global leader in international education services. They help international students study in English speaking countries. Their success comes from connecting students with the right course in the right university or institution and the right country.

They've been operating for close to 50 years and have helped more than 400,000 students achieve their goal to study abroad.

**Review:** They Visited our college and encouraged us to participate in International Conference with foreign delegates which was held on Oct 5<sup>th</sup> 2019 Taj Krishna Banjara Hills.

They have interacted with the students and motivated them for studying abroad with good scholarship facilities.



### D)Probability Distribution in R and Hypothesis Testing

Date :8<sup>th</sup>Nov 2019, Tuesday

Guest Lecture on “Probability Distribution in R and Hypothesis Testing” by **Mr. Ravi Munukutla** 9:30 AM to 02:50 PM.

**Purpose :**

To get a broader knowledge about the subject. Guest lecture on the subject probability distribution and hypothesis testing. Open new ideas towards the technology and its branches.

**Report:**

It included various topics like Normal distribution, Poisson distribution, Binomial distribution, Hypothesis testing. The Lecture was attended by the final year MCA students.

He acknowledged the students about the subject. He gave many examples to explain the topics to its best. The lecture introduced the students with the subject on a broader scale. His approach towards the subject made the topics seem very easy and understanding.

**Review:**

All the students had a great enthusiasm towards learning and grabbed the opportunity actively.

Overall, it was a good exposure and opportunity for all the students to understand the “Probability Distribution in R and Hypothesis Testing” to the full length and achieve better strong grip on the subject.



**E) GUEST LECTURE ON WEB DESIGNING**

**PURPOSE:-** To impart the concepts of Web Designing to all the first Year students of MCA to meet the needs of the IT industry and practice their lab.

**OBJECTIVE:-** To develop skills in analyzing and designing websites.

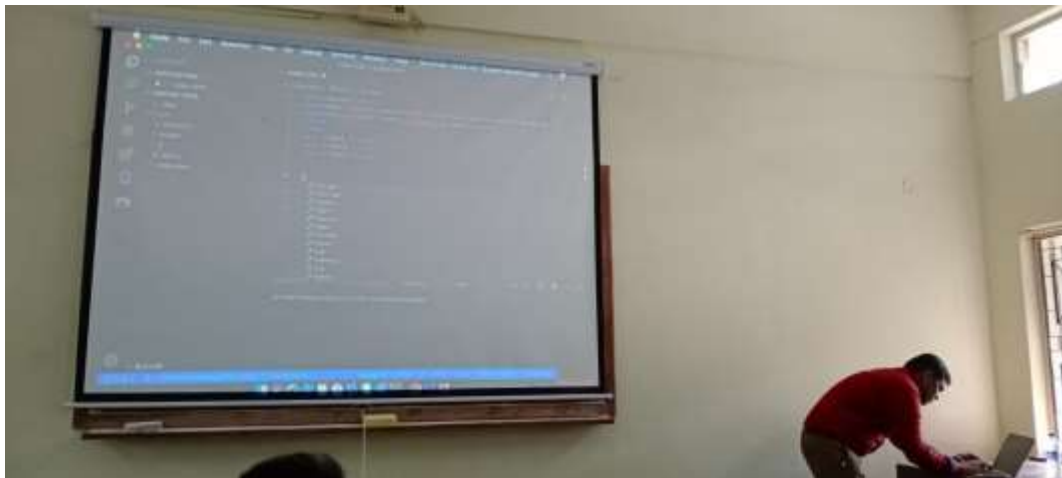
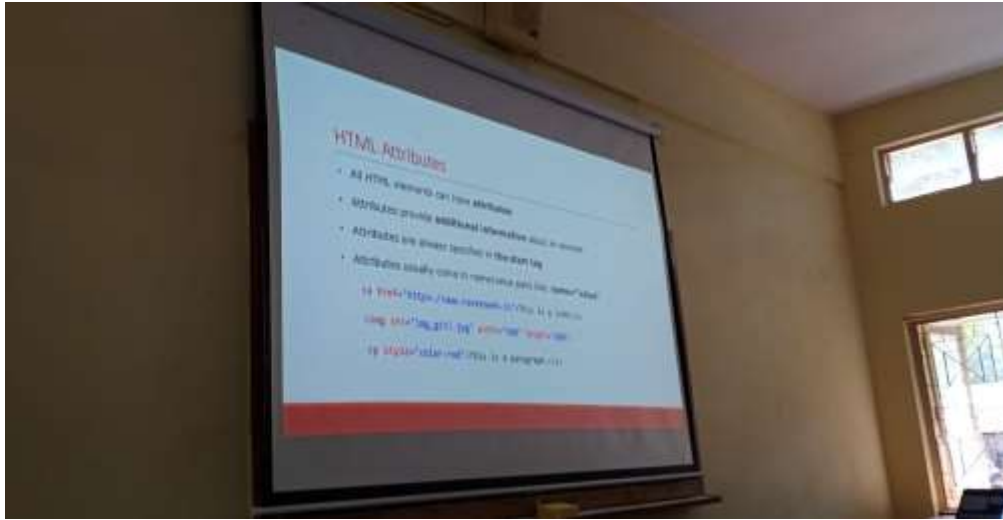
**REVIEW:-** On 9<sup>th</sup> November 2019, Saturday, The Department of MCA conducted Guest Lecture on “Web Designing” by Mr. Vuppu Naveen Kumar (Senior Software Engineer) from 10:00AM to 01:30PM. It includes various topics like Fundamentals of HTML, AnOverview of Java-script and DHTML, Boot-strap frame work and J-Query.

Mr. Vuppu Naveen Kumar is Senior Software Engineer at GlobalData Plc. He is having 8+ years of IT industry experience and 4+ years of Front-End Web Development and has a working knowledge of various adobe products, branding, UI development / UX designer, Web Design & Development

He acknowledged the students about the subject. He has given several live examples practically to explain the topics to its best.

All the students had great enthusiasm towards learning and grabbed the opportunity actively.

Over-all, it was a good exposure and opportunity for all the students to understand the “WEB DESIGNING” to the full length and achieve better and strong grip on the subject.



## **F) REPORT ON GUEST LECTURE NP- HARD AND NP-COMPLETE**

**Date: 28-11-2019.**

The Department of MCA had organized a guest lecture on 'Np-Hard and Np- complete' for the students of nmca on 28 November'2019. The Speaker for the lecture was Mr.Abdul Bari sir.

### **Purpose:**

Inviting guest speaker is an amazing way to learn about a specific topic for the students in a unique way and open new doors for better career opportunities. Guest lecture helped students improve their learning in a more interactive and topics in specific way.

### **Report:**

The Guest Lecture was held in morning sessions. It is on "NP and Np-Hard" , Mr Abdul Bari, had Delivered Briefing of the time complexity ,NP-Hard and NP-Complete problems, Basic concepts, non deterministic algorithms, NP - Hard and NP Complete classes, Cook's theorem following topics are covered, and the research area's where students can work. Student very happy about the lecture.

### **Review:**

The second year Students of MCA are benefited by this guest lecture as they can apply these concepts for various problems solving





### G) Agile programming guest lecture

**Purpose:** One day the guest lecture on “Best practices of Agile methodologies” was conducted on i.e13<sup>th</sup> and 14<sup>th</sup> march 2020 organized by Department of computer science.

The students of MCA (masters of computer applications) 3<sup>rd</sup> year students interactive session on the topic “Agile methodologies and project management“.

**Report:**

The session started with Mr. K. Ajay he addressed the students of 2017-2020 batch

with a various questions to get an insight about students awareness of the IT industry and the skills useful in today’s need.

**Review:**

They made the interactive session with different activities and has explained different methodologies clearly and how the agile is growing day by day in the present world.





**Students participation in the Agile methodologies with guest lecturer**



- They taught what are the main agendas in the agile programming and few topics like principles, main agenda, manifesto, characteristics, SDLC (software development life cycle), and different SDLC models (water fall model, iterative model, V-shaped model, spiral model, big bang model).
- The interactive session was very useful to the students and they liked it very much.
- They advised the students about the best practices in the methodologies and models of SDLC and various new technologies that are used now and was very interesting session on that day.
- Towards the end they enlightened students of the various ways in which different industries.
- As the session ended, Mr. K. Ajay great luck to all the students for a bright and successful career.

#### **D) Department of MCA conducted Moodle in Collaboration with IQAC, Loyola Academy**

The Two-day faculty development programme on MOODLE was conducted by Internal Quality Assurance Cell (IQAC) on 14<sup>th</sup> and 15<sup>th</sup> of February 2020. In this programme 96 faculty members from Loyola Academy have participated. The participants were from different fields like Computer Science, Computer Systems, Computer Data Science, Electronics Technology, Agricultural Science, Food Technology and Economics.

The Faculty Development Programme commenced with welcome speech by Fr Dr P. Antony SJ, Principal of Loyola Academy PG, Mr. P.V.R. Sai Prasad, IQAC Coordinator and P.V. Nagalakshmi, HOD, Department of MCA welcomed the experts and participants. They explained the objectives and importance of the Faculty Development Programme.

Mr. Raman RK, NAAC Co-coordinator, Associate Professor, Little Flower Degree College, Uppal shared his insights, real life scenarios, practical use cases and their solutions on MOODLE.

First session started with keynote lecture on MOODLE and it washands on experience on Modular Object Oriented Dynamic Learning Environment is a free and open source Learning

Management System(LMS). MOODLE is application used for Creation of website, Assessment, Assignment, Create Forums and Creation of Mentor and Mentee.

Contents of programme are as follows:-

- ❖ Creation of Online Classroom.
- ❖ Creation of MOODLE Application Teacher
- ❖ Creating Online Courses
- ❖ Creating Assessment
- ❖ How to provide Assignment to students
- ❖ Creation of Forums and Also how to create Mentor and Mentee







From this programme the faculty from various disciplines gained a lot of hands on experience on MOODLE and its applications. This programme was very useful for creation of online Classroom, training students in Online on various subjects which are useful for developing their Skills in Technology.

The programme concluded with distributed of participation certificates by Principal to all the participants.

## **J) Artificial Intelligence and Machine learning Webinar Report, Department of Masters of Computer Applications organizes a Two day National Webinar**

### **INTRODUCTION**

The **Two-day Webinar** was conducted by the department of **Masters of computer applications (MCA) Loyola Academy, alwal** on **20th and 21st of May 2020**. In this programme around 137 faculty members from Loyola Academy and various other institutions from Hyderabad and other Indian States had registered through an online registration process. And approximately 100-110 have participated in the webinar, although the number of participants wasn't static throughout the session. The participants were from different fields like Computer Science, Computer Systems, Computer Data Science, Electronics Technology, Agricultural Science.

### **REPORT**

The Webinar commenced with a welcome speech by Mrs P.V. Nagalakshmi, Mrs Dr Anitha Mary, Mrs K. Bharathi, Mrs Malathi and was hosted by Mrs G. Sirisha. HOD, Department of MCA welcomed the experts **Saritha Bantu Associate Professor MVSR Engineering College and Dr. Venugopala Rao M, general manager, Juxt Smartmandate Analytical Solutions Pvt. Ltd. Data scientist at Medava.jo** and participants. They explained the Foundations of artificial intelligence, what is AI, AI vocabulary, components of AI in the first session and Data Science and its applications in the second session.

**Saritha Bantu Associate Professor MVSR Engineering College in her session on the first day 20th of May 2020** shared her insights on what is artificial intelligence, the business perspective and programming perspective of AI, Goals of AI, the different branches of AI, problems of AI and much more.

**Dr. Venugopala Rao M, general manager, Juxt Smartmandate Analytical Solutions Pvt. Ltd. Data scientist at Medava.jo in his session on the second day 21st of May 2020** shared his insights on Data science and its applications, what is data analysis, what is data driven decision making, data explosion, what a data scientist needs today, role of a data scientist, components of data science, stages in data analytics and much more.

### **PURPOSE**

Mobilizing participants to participate in outreach programs and both teaching and learning through sources other than in person or face to face classes through online means such as video conferencing or webinars especially during high times such as the unscheduled lockdown throughout the globe in order to stay safe from and fight against the harmful and contagious pandemic **COVID-19**. However the participants themselves act as catalysts to success of such programs. Inviting guest speakers is an amazing way to learn a specific topic in a

unique way and open doors for better understanding and improve learning in a more interactive way.

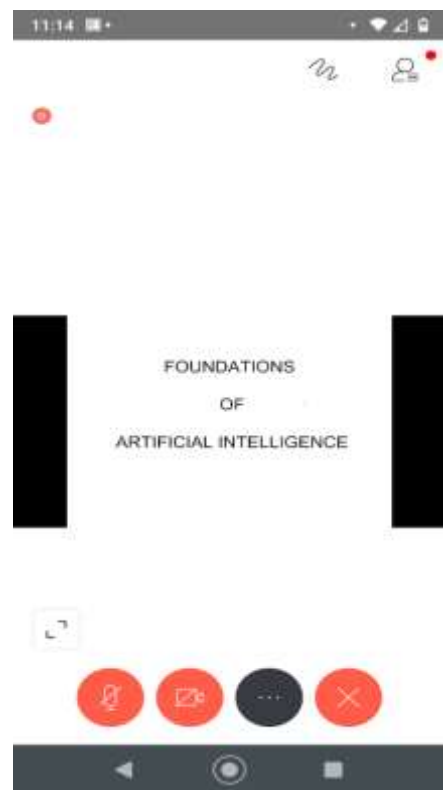
The primary **purpose** of a **webinar** is to present a topic that is engaging, relevant and informative to others; however, some presenters may use **webinars** to network or promote a learning by following up on participants through surveys, polling, email or questions that further additional collaboration.

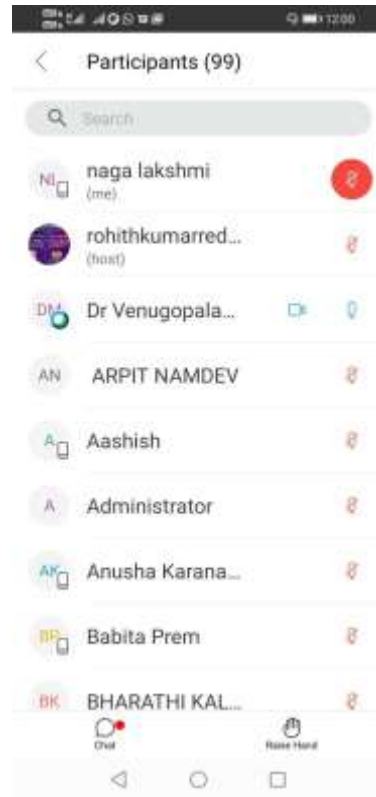
## REVIEW

An attentional mechanism has lately been used to improve learning by selectively focusing on parts of Artificial Intelligence and Machine learning during the video conference or webinar.

As a new way of training, this has been used as a model to guide the training of the participants. Webinar or video conferencing is a platform where everyday devices become smarter, every day processing becomes intelligent, and every day communication becomes informative. While the video conferencing is still seeking its own shape.

## GALLERY/EVIDENCE OF SUCCESS







### k) Bridge Course

The Students of MCA Department has attended Bridge course:

- **Purpose:** Communication skills are essential for the successful future career of a student. A Bridge Course in English is conducted for all the first year students by the English Department, 30 students of MCA also have attended the course.
- **Report:** As many of MCA students are from the Rural areas they lack communication skills, this course helped them to develop their writing and communication skills. The syllabus for English Bridge Course includes Grammar like Verbs, Tenses, Active and Passive voices, Articles, Prepositions. Reading skills like Reading Compressions, Story narration, News paper Reading, just a minute, how to handle a telephonic conversation etc. Writing Skills like Dialogue writing, Written Compression, Time specific sentences.
- **Review:** Reading, writing and listening carefully are the three most important communication skills for students. These skills like most of the communication skills sounds too familiar as a result of which we take them for granted. The knowledge and communication skills improved to the students by the end of the course



### **I)MCA Second Year Students Faculty Recruitment Training Program**

The long term Pre-Placement Training is provided to MCA (2018 -2021) batch 2<sup>nd</sup> year students from 3<sup>rd</sup> Feb 2020 which is the beginning of their semester during their regular classes where 3 hours' time is allotted for training in a week. The main purpose of the training is to impart skills such as aptitude, reasoning and soft skills that would aid in the employability of the students. We are providing the training by the well qualified and experienced trainers who are in this sector since 15 years and have provided training in some of the top colleges of Hyderabad. Training went successfully till end of the semester 20<sup>th</sup> April 2020 with a great outcome where in students have build confidence to face interview.

#### **Objective**

To bridges the gap between corporates requirements and student's knowledge and skill sets. To guide and provide right module of training that meets the industry needs and improve their employability skills.

#### **Benefits and Outcome**

- Enhance and improve employable skills.
- The ability to communicate effectively with coworkers, employers, clients and customers, friends and family members.

- The opportunity to enhance organizational skills.
- Improve Personal and professional effectiveness.
- Increased efficiency and leadership skills to improve team results.
- Gaining the ability to recognize symptoms of stress and learning management strategies.

A practical exposure is given to realise the importance of the skillsets. Students are exposed to facing their fears and uncomfortable situations such as public speaking, job interview, group discussion etc. Team building and group activities are also performed to help students realise the benefits of working in a team for efficient productivity and cooperation.

Also the concentrated on strengthening the student's quantitative, verbal and reasoning skills. The first filtering round conducted by most of the companies is aptitude test, hence it is a crucial round to clear in order to proceed to further rounds of interview. The objective is to exercise the student's brain and prepare them with common topics as mentioned below. Speed, agility, decisiveness and time management plays a crucial role while attending the exam. Training includes mock tests conducted online to prepare the students with real life scenarios.





## Syllabus

### English Aptitude

- Attitudes
- Goal Setting
- Career Planning
- Reaching your Potential
- Time Management
- Stress Management
- Grooming and Discipline
- Communication Skills
- Listening Skills
- Team Building
- Assertiveness
- Creativity
- Group Discussion and Personal Interview
- HR Round practice
- Outdoor Activity

### General Aptitude

- Introduction
- Introduction to Aptitude Tests
- Diagnostic Tests
- Introduction to Speed Maths
- Quantitative Ability – Number Theory

- Numbers
- Properties of Numbers
- Concept of Multiples and Factors
- LCM and HCF
- Factorial Concept
- Last Digit Concept
- Remainders Concept
- Questions from Company Papers will be discussed

#### Quantitative Ability – Arithmetic - 1

- Percentage
- Ratio and Proportion
- Simple Interest and Compound Interest
- Profit Loss
- Discount
- Mixture and Allegation
- Questions from Company Papers will be discussed

#### Quantitative Ability – Arithmetic - 2

- Speed Distance Time
- Time and Work
- Clocks and Calendars
- Averages
- Questions from Company Papers will be discussed

#### Quantitative Ability – Algebra

- Basic Terminologies in Algebra
- Equations
- Simple Equation
- Quadratic Equation
- Cubic Equation
- Functions
- Graphs
- Maxima and Minima
- Questions from Company Papers will be discussed

#### Quantitative Ability – Modern Maths

- Set Theory
- Fundamental way of Counting
- Permutations and Combinations
- Probability

- Questions from Company Papers will be discussed
- Data Analysis
- Data Sufficiency

### **M)Haritha Haram Report**

On 09<sup>th</sup> August 2019, PG Council along with the NSS unit organized the “One student one plant” programme in order to spread awareness about the environmental preservation. The event was attended by dignitaries Mrs. Mamata (Zonal ACP), tipparti Yadayya (Deputy Municipal Commissioner), Arul Rajan (IFS Officer), Mr. Yadagiri (CI).



The event began with the NSS and the entire students belonging to the Post Graduate department marching towards the Loyola grounds. Our beloved Principal and Vice Principal welcomed our chief guests with a sapling. One student one Plant is an initiative to encourage and teach the students to embrace the life of a farmer and how every farmer nurtures the plant with his own sweat.



The event was a huge success where about 300 saplings were planted where the mud was dug and all the students from various departments enjoyed planting the saplings. The guests also planted the plants and graced the event with their heart wishes. It was the second biggest Haritha Haram programme that was held in the twin cities.



**N)100 % Internship:**

Details:

<b>UID NO</b>	<b>NAME</b>	<b>Projects</b>
111703917101	THUMMA SHOWRI PRIYANKA	ADROIT
111703917102	TIPPANABOINA RANJITH	Cloud Indojo
111703917103	SUNKARA SAJUNU NAIDU	Caribou technologies
111703917104	NOSSAM SHAIK FAYAZ	Cloud Indojo
111703917105	VALUPADASH AKSHAY	Pravalika technical solutions
111703917106	M RACHANA	Accession IT Services
111703917107	BACKIADASS STALIN JOSEPH	Code Prism
111703917108	K FATHIMA SRAVANA KEERTHI	Cloud Indojo
111703917109	P NAVEEN KUMAR REDDY	Accession IT Services
111703917110	AARE SRIKANTH	Accession IT Services
111703917112	AKKINAPURAM ABHINAY CHARY	1000 Projects
111703917113	SIRUSANGANDLA VYSHNAVI	ADROIT
111703917114	PASCOLEENA	Vassar labs
111703917116	A SANDEEP	Cloud Indojo
111703917117	DOMMATI VENKATESH	Accession IT Services
111703917118	S SOUMYA	BizGaze Pvt Ltd
111703917119	ROSHAN KUMAR SHAH	Pravalika technical solutions
111703917120	KONDOJU VENKATESH KUMAR	1000 Projects
111703917121	M SHABHARINADH REDDY	1000 Projects
111703917122	LADDIPALLI AKHILA	Pravalika technical solutions
111703917123	BORRA VENKATESH GOUD	Code prism
111703917126	BHUPATHI PRAMOD KUMAR	Cloud Indojo
111703917127	T KARTHIK	Accession IT Services
111703917128	KASARLA AKHIL	Pravalika technical solutions

111703917129	A DEEPIKA	Accession IT Services
111703917130	ULFE ASHOK	Accession IT Services
111703917131	T RAMESH	Cloud Indojo
111703917132	ELUSANI RESHMA	Accession IT Services
111703917133	SURYAVAMSHI SANJAYKUMAR	Accession IT Services
111703917134	SANKURI VIJAYKANTH	1000 Projects
111703917135	SURAKANTI SUSHMA	Accession IT Services
111703917136	D SIVARAM TEJA	Cloud Indojo
111703917137	MADANU ANIL KUMAR	Accession IT Services
111703917138	MOHAMMAD ABDUL MAJEED	Accession IT Services
111703917139	SAFOORA FATHIMA	Cloud Indojo
111703917140	KESAVAREDDYGARI JHANSI	Wikihands
111703917141	NAGIREDDY NAVYA	Accession IT Services
111703917142	A AMBIKA	Accession IT Services
111703917143	D DILIP CHANDRA	1000 Projects
111703917144	KRISHNENDU MOHAN THAKUR	Cloud Indojo
111703917145	SENISHETTY SREEJA	ADROIT
111703917146	DIANA JOHNSON	Caribou technologies
111703917147	R VENKATA NAGA SAI KRISHNA PRIYA	Accession IT Services
111703917148	SAJO SHAJI	Wikihands
111703917149	PRIYANKA GHADAI	Cloud Indojo
111703917150	ZAFAR EMAM	Accession IT Services
111703917151	PATEL RAHUL KUMAR	Wikihands
111703917152	G SARVESHWER REDDY	Vassar labs
111703917153	PANDHRILA SAMPATH	Wikihands
111703917154	SHAIK AMEED	Cloud Indojo

## II. Staff Achievements

1. **Mrs. K. Bharathi** has attended a Six Day Faculty Development Programme on “**Machine Learning Techniques** for image Processing and Computer Vision” organized by **E & ICT Academy,CSE Dept,NIT Warangal** from 6<sup>th</sup> to 11<sup>th</sup> May 2019
2. **Mrs. K. Bharathi, Mrs.P.S.R.Malathi** have attended a Six Day Faculty Development Programme on “**Machine Learning using Python & R Programming**” organized by **Narsimha Reddy Engineering college,HYD** from 8<sup>th</sup> to 13<sup>th</sup> July 2019.

3. **Mrs.P.V.Naga Lakshmi, G.Anitha Mary** have attended a Two Day Faculty Development Programme on “**Artificial Intelligence & Machine Learning**” organized by **St. Ann’s College for women, Mehdiapatnam, HYD.** from 7<sup>th</sup>& 8<sup>th</sup> Aug 2019
4. **Mrs. K. Bharathi, Mrs.P.V.Naga Lakshmi** have attended a Twelve Days Faculty Development programme on “**Data Science and Analytics**” organized by **AICTE,Hyd** from 9<sup>th</sup> Dec to 21<sup>st</sup> Dec 2019
5. **Mrs.G.Sirisha** has attended a Four Day Faculty Development programme on “**Natural Language Processing**” from 6<sup>th</sup> to 10<sup>th</sup> Jan 2020
6. **Mrs. K. Bharathi, Mrs.P.V.Naga Lakshmi ,G.Anitha Mary** have attended a One Day Faculty Development programme on “**Research Methodology**” on 28<sup>th</sup> Jan 2020
7. **Mrs.P.S.R.Malathi,Mrs.P.Vandana** have attended a two day Faculty Development programme on “**IOT workshop**” from 6<sup>th</sup>& 7<sup>th</sup> Feb 2020
8. **Mrs. K. Bharathi, Mrs.P.V.Naga Lakshmi ,Mrs. Dr. G.Anitha Mary, Mrs.P.S.R.Malathi,Mrs.P.Vandana, Mrs.G.Sirisha** have attended a two day Faculty Development programme on “**Moodle**” on 14<sup>th</sup> & 15<sup>th</sup> Feb 2020
9. **Mrs.G.Sirisha** has attended a One Day Faculty Development programme on “**Leadership building and Professionalism at Work place**” on 19<sup>th</sup> July 2019.
10. **Mrs.K.Bharathi** has completed “**My Sql**” NPTEL course on 2<sup>nd</sup> Nov 2019.
11. **Mrs.K.Bharathi** has completed “**Data Science for engineers**” NPTEL course from July-Sep 2019.
12. **Mrs.K.Bharathi** has completed “**Python for Data Science** “ NPTEL course from July-Sep 2019.
13. **Mrs.P.V.Naga Lakshmi** has attended a Three day Webinar on “**Web dev Boot Camp**“ from 11<sup>th</sup> to 13<sup>th</sup> May 2020 organised by Little Flower Degree College,Uppal.
14. **Mrs.P.V.Naga Lakshmi** has attended a One day National Webinar on “**Creation of Webinars during covid -19 Pandemic** “ on 13<sup>th</sup> March 2020 organised by Little Flower Degree College,Uppal.
15. **Mrs.P.V.Naga Lakshmi** has attended a Three day National Webinar on “**Quality Enhancement in Higher Education Institutions-Future Vision**” from 4<sup>th</sup> to 6<sup>th</sup> May 2020 organised by St. Ann’s College for Women,Medhi Patnam.
16. **Mrs.P.V.Naga Lakshmi, Mrs. P Sree Rathna Malathi** has attended a One day Webinar on “**Advanced Python Programming** “ on 11<sup>th</sup> May 2020 organised by Andhra Mahila Sabha,Hyderabad.
17. **Mrs.P.V.Naga Lakshmi, Mrs. P. Vandana** has attended a One day Webinar on “**AI Applications and its Trends in Transforming Business**“ on 14<sup>th</sup> May 2020 organised by RBVRR Womens College, Hyderabad.
18. **Mrs.P.V.Naga Lakshmi, Mrs. K. Bharathi , Mrs. Dr. G. Anitha Mary, Mrs. G. Sirisha, Mrs. P.S.R. Malathi, Mrs. P. Vandana,** has attended a Two day National Webinar on “**Artificial Intelligence and Machine Learning** “ on 20<sup>th</sup> and 21<sup>st</sup> May 2020 organised by Loyola Academy,Old Alwal,Secunderabad.
19. **Mrs.P.V.Naga Lakshmi** has attended a Five day National Webinar on “**Artificial Intelligence**” from 22<sup>nd</sup> May to 26<sup>th</sup> May 2020 organised by Sridevi Women’s Engineering College,Hyderabad.
20. **Mrs. K. Bharathi** attended a two day online national faculty development program on “**Mathematics for Computer Science**” organized by department of M.S.Cs, Loyola Academy, Secunderabad during 30<sup>th</sup>-31<sup>st</sup> May’2020.

21. **Mrs. K. Bharathi** attended a two day webinar on “Image Processing and Computer Vision-Industrial Perspective” organized by Chalapathi Institute of Technology, Guntur during 27<sup>th</sup>-28<sup>th</sup> May’2020.
22. **Mrs. K. Bharathi** attended a three day online workshop on “Outcome Based Education & Online Course Design,Development and Delivery” organized by department of Education & Education Technology, School of Social Sciences & School of Management Studies, University of Hyderabad, Hyderabad during 16<sup>th</sup>-18<sup>th</sup> May’2020.
23. **Mrs. K. Bharathi** attended a national level Faculty Development Webinar on “ICT Tools in Education(Experiential learning with online simulations and virtual labs)” organized by RBVRR Women’s College, Hyderabad on 5<sup>th</sup> May’2020.
24. **Mrs. Dr. G. Anitha Mary** has participated in one-day International Webinar on Human Well-Being Department of Psychology, Little Flower Degree College, Hyderabad, on 7<sup>th</sup> May 2020.
25. **Mrs. Dr. G. Anitha Mary** has attended a five-day Faculty Development Program on “Machine Learning” conducted by Data-Tech Labs from 11<sup>th</sup>-15<sup>th</sup> May 2020.
26. **Mrs. Dr. G. Anitha Mary** participated in a NAAC Awareness Quiz -2020 organized by AISSMS Institute of Information Technology, Savitribhai Phule Pune University on 17<sup>th</sup> May 2020.
27. **Mrs. Dr. G. Anitha Mary** has participated in online quiz on “COVID - 19 General Awareness” organized by the Department of B.com Advertising, Sales Promotion & Sales Management/Marketing.
28. **Mrs. Dr. G. Anitha Mary** has attended a one-day Webinar on “Blaze a trail in Data Science Project Journey by Dr. D. V. Ramana, Data Strategist, Wissen Infotech, organized by Department of Computer Science St. Fancies college, held on 20<sup>th</sup> May 2020.
29. **Mrs. Dr. G. Anitha Mary** has participated in one-week Online FDP on “Big Data Tools” organized by St. Martin’s Engineering College, Dhulapally, Secunderabad from 18<sup>th</sup>-23<sup>rd</sup> May 2020.
30. **Mrs. Dr. G. Anitha Mary** has participated in two-day National Level Online Faculty Development program titled “Advanced Javascript” organized by Department of Computer Science, A.V. College of Arts, Science & Commerce from 22<sup>nd</sup>-23<sup>rd</sup> May, 2020.
31. **Mrs. Dr. G. Anitha Mary** has participated National Level two-day Online Faculty Development Programme titled “Recent Trends in IT” organized by Department of Computer Science, Loyola Academy from 16<sup>th</sup>-17<sup>th</sup> May 2020.
32. **Mrs. Dr. G. Anitha Mary** has participated in “AI Application and its trends in transforming business” organized by Department of Computer Science, RBVRR women’s college on 14<sup>th</sup> May 2020.
33. **Mrs. Dr. G. Anitha Mary** s participated in a Quiz on Programming Language-2020 organized by St. Ann’s womens college, Mehdipatnam on 11<sup>th</sup> May 2020.
34. **Mrs. Dr. G. Anitha Mary** has participated in five-day online faculty development program on “PHP and MYSQL” organized by School of Computer Science Engineering, Vellore Institute of Technology(VIT) Chennai on 11<sup>th</sup> to 1th May 2020.
35. **Mrs. P Sree Rathna Malathi** successfully attended online session and completed assessment of topic titled “Desktop and Email security” April-29 ,2020.

36. **Mrs. P Sree Rathna Malathi** participated in Three Day National Level Online FDP titled 'Quality Enhancement in Higher Education Institutions - Future Vision' organised by IQAC, St. Ann's College for Women from 4<sup>th</sup> to 6<sup>th</sup> May, 2020.
37. **Mrs. P Sree Rathna Malathi** participated in Two Day National Level Online Faculty Development program titled "Recent trends in IT" organized by department of computer science and engg, department of computer systems and engg, department of computer data science and data analytics engg held on 16<sup>th</sup> and 17<sup>th</sup> may 2020.
38. **Mrs. P Sree Rathna Malathi** participated in online FDP on "Business analytics and its applications" organized by VIT-AP University, Andhra Pradesh on 18<sup>th</sup> May 2020.
39. **Mrs. P Sree Rathna Malathi** participated in webinar on "Blaze a trail in data science project journey" held on 20<sup>th</sup> may 2020 organized by St Francis College for Women, Begumpet, Hyderabad.
40. **Mrs. P Sree Rathna Malathi, Mrs. G. Sirisha, Mrs. P.Vandana** participated in Two Day National Level Online Faculty Development program titled "Advanced JavaScript" held on 22<sup>nd</sup> and 23<sup>rd</sup> May, 2020 which was organized by A.V COLLEGE OF ARTS, SCIENCE AND COMMERCE Gaganmahal, Hyderabad-29.
41. **Mrs. G. Sirisha** has participated in the three-day National Online FDP titled 'Quality Enhancement in Higher Education Institutions - Future Vision' organized by IQAC, St. Ann's College for Women from 4<sup>th</sup>-6<sup>th</sup> May, 2020.
42. **Mrs. G.Sirisha** has attended online Faculty Program on NBA on 5<sup>th</sup> May 2020, with a passing score of 100% organized by Bharati Vidyapeeth College Of Engineering, Navi Mumbai - 400614.
43. **Mrs. G. Sirisha** has participated in One Week Online Faculty Development Program on "Research Challenges and Opportunities Post COVID-19 (RECOP 2020)" organized by Research & Development Cell and Institution's Innovation Council of Sri Vasavi Engineering College (Autonomous) during 4<sup>th</sup> - 9<sup>th</sup> May 2020.
44. **Mrs. G. Sirisha** has participated in one-day International Webinar on Human Well-Being Department of Psychology, Little Flower Degree College, Hyderabad, on 7<sup>th</sup> May 2020.
45. **Mrs. G.Sirisha** has completed the "Faculty Awareness Programme on Outcome Based Education (OBE) and NBA Accreditation" organised by Singhad Institute of Technology and Science, Narhe, Pune on 7<sup>th</sup> May 2020.
46. **Mrs. G. Sirisha** has participated in three-day online workshop on "Online Course Design, Development and Delivery" organized by Human Resource Development Centre, University of Hyderabad during 6<sup>th</sup> -8<sup>th</sup> May 2020.
47. **Mrs. G.Sirisha** has participated in "A Webinar on Virtual Classroom Management using Microsoft Teams", an online training program offered remotely organized by LAKIREDDY BALI REDDY COLLEGE OF ENGINEERING (AUTONOMOUS) Approved by AICTE, New Delhi and Affiliated to JNTUK, Kakinada L.B.REDDY NAGAR, MYLAVARAM, KRISHNA DIST., A.P.-521 230, on 11<sup>th</sup> May 2020.
48. **Mrs. G. Sirisha** has attended a five-day Faculty Development Program on "Machine Learning" conducted by Data-Tech Labs from 11<sup>th</sup>-15<sup>th</sup> May 2020.
49. **Mrs. G. Sirisha** has attended a two-day Webinar on "Research Capability Building – A Strategy to Promote Research Culture in Higher Education organized by IQAC of Bhavan's Vivekananda College of Science, Humanities & Commerce, Sainikpuri, Secunderabad from 12<sup>th</sup>-14<sup>th</sup> May 2020.

50. **Mrs. G. Sirisha** has participated in One Week Online Faculty Development Program on “Artificial Intelligence” organized by Department of Computer Science & Engineering, Santhiram Engineering College, Nandyal in association with Brain O Vision, Hyderabad, from 13<sup>th</sup> -18<sup>th</sup> May 2020.
51. **Mrs. G. Sirisha** has participated in a NAAC Awareness Quiz -2020 organized by AISSMS Institute of Information Technology, Savitribhai Phule Pune University on 17<sup>th</sup> May 2020.
52. **Mrs. G. Sirisha** has participated in online quiz on “COVID - 19 General Awareness” organized by the Department of B.com Advertising, Sales Promotion & Sales Management/Marketing.
53. **Mrs. G. Sirisha** has attended a one-day Webinar on “Blaze a trail in Data Science Project Journey by Dr. D. V. Ramana, Data Strategist, Wissen Infotech held on 20<sup>th</sup> May 2020.
54. **Mrs. G. Sirisha, Mrs. P. Vandana** has attended in one-week Online FDP on “Big Data Tools” organized by St. Martin’s Engineering College, Dhulapally, Secunderabad from 18<sup>th</sup>-23<sup>rd</sup> May 2020.
55. **Mrs. G. Sirisha, Mrs. P. Vandana** has participated National Level two-day Online Faculty Development Programme titled “Recent Trends in IT” organized by Department of Computer Science, Loyola Academy from 16<sup>th</sup>-17<sup>th</sup> May 2020.
56. **Mrs. P. Vandana** has attended in the national webinar on “Online Software Tools for Remote Teaching & learning” organized by Aurora’s Degree & PG College held on 18<sup>th</sup> May 2020.
57. **Mrs. P. Vandana** has attended in the online FDP on “Business Analytics and Its Application” organized by VIT-AP School of Business held on 17<sup>th</sup> may 2020.
58. **Mrs. P. Vandana** has attended in the webinar on “ICT - An Effective Teaching” organized by Bhavan’s Vivekananda College held on 16<sup>th</sup> May 2020.
59. **Mrs. P. Vandana** has attended in the webinar on “Tips on how to select a Conference to publish your Research work” organized by AISSMS college of engineering and ISB&M school of technology under IEEE Bombay section on 16<sup>th</sup> May 2020.
60. **Mrs. P. Vandana** has attended in one-week Online FDP on “LaTeX, R and Python” organized by Guru Nanak University, Hyderabad in collaboration with IIT Bombay from 25<sup>th</sup> may to 30<sup>th</sup> May 2020.
61. **Mrs. P. Vandana** has attended in two-week workshop on “From e-Learning to e-Training: A Comprehensive Guide for all your Administrative Work” organized by Ministry of Human Resource Development, Pandit Madan Mohan Malaviya, National Mission on Teachers and Teaching, Ramanujan College, University of Delhi from 25<sup>th</sup> May - 3<sup>rd</sup> June 2020.

### **III. Student Achievements**

1. This awards is given for the young authors on his book. Gunjan Shree aka K M Thakur is awarded for his book 'Tarhatthi par samay', which is the collection of his maithili poems. He received this award at Sahitya Academy, New Delhi (Govt. of India) in Maithili Literature Festival-19.





#### IV Career Placements

<b>MCA STUDENTS PLACED IN THE YEAR 2018-19</b>				
<b>SN. No.</b>	<b>Registration/Enrollment No. of the student in your institution</b>	<b>Name of the Student</b>	<b>Organization Placed in</b>	<b>Salary Offered</b>
1	111703916105	CHANDUBATLA VENKATESH	Biological E, Apalya Technologies	2.7lacs
2	111703916107	BAIREDDY HANMANATH REDDY	DEFTEAM	3 lacs
3	111703916108	GOKAVALASA SARATKUMAR	Peopletch	2.3lacs
4	111703916112	GUNNALA SREEKANTH REDDY	Apalya Technologies	2.7 lacs
5	111703916114	SREEPATHI RANADHEER	Volken Technologies	1.4lacs
6	111703916115	DADANGE GHANSHYAM	Cashpona	1.3 lacs
7	111703916116	POLIRATHI SATYARAJ	DEFTEAM	3.5 lacs
8	111703916113	K.HIMAJA	GLOBAL	3.5lacs

			LOGIC	
9	111703916144	PALLAVI	Wipro	2.5 lacs
10	111703916131	SAI PAVAN	Virtusa	3.2lacs
11	111703916132	GRACY K	HP	2.91lacs
12	111703916136	ROSHAN KUMAR SINGH	Carrybou Technologies	2.2 lacs
13	111703916137	VIKASH KUMAR	Carrybou Technologies	2.2 lacs
14	111703916138	KESSY ALEX	Genpact	4lacs
15	111703916143	OMKAR	ICICI BANK	3.5lacs
16	111703916149	P. UDAYANAND	Agrahyah Technologies	5.5lacs

**V. Research publications:**

**1. Mrs. G. Anitha Mary** has Completed PH.D in **Protein Sequence Alignment and Analysis of Lung Cancer Oncogenous using Heterogenous in- Silico Techniques** from the **S.V University Tirupathi**

**(Mrs. P.V. Naga Lakshmi)**  
**HOD, Dept. of MCA**