

# ANNUAL REPORT

## 2017-18



### DEPARTMENT OF SCIENCES

St. Joseph's Degree & PG College  
King Koti, Hyderabad

***Head of Department***

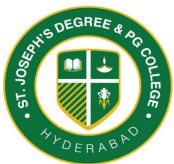
**Mrs.M.Kiran Jyothi**  
Associate Professor

***Principal***

**Rev. Fr. Dr. Vincent Arokiadas**  
Professor

***Prepared by***

**Mrs. P. Madhuri Paul**  
Assistant Professor



# ST. JOSEPH'S DEGREE & PG COLLEGE

Autonomous, Affiliated to Osmania University

Re-accredited by NAAC with 'A' Grade with a CGPA of 3.49

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## About St. Joseph's College...

St. Joseph's Degree & PG College, a leading name in the field of higher education, has earned several top prestigious rankings and 'A' grade by NAAC for its "*Distinctive educational environment*", which pays a shared focus on developing social and ethical values among the students, while equipping them with right knowledge and skills to meet the dynamics of the global market. One of the most prestigious affiliates of Osmania



University, the college has deployed the academic flexibility of its Autonomous status to package a unique educational program that is framed in collaboration with top notch academicians and industry experts to embrace the emerging trends in academics and industry. Apart from this several value add-on modules – certificate courses, life skills and job skills ensure that there is wholesome learning designed to empower and nurture leaders of the future.

## About Department of Sciences

### Computer Science

#### **VISION**

To groom the students into world class Computer Professionals.

#### **MISSION**

- To impart quality computer education to enhance logical computing and programming skills.
- To implement innovative techniques and processes in teaching - learning and evaluation.
- To further creativity and pursuit of excellence in computer applications.
- To sensitize a culture of trust, fairness, tolerance and positive orientation.
- To build life skills through value-based education and service-oriented programme.

### Mathematics & Statistics

#### **VISION**

To strive for excellence in Mathematical sciences that ignites students for interdisciplinary domains.

## MISSION

- To develop analytical skills and logical acumen for problem solving.
- To provide excellent knowledge of Mathematical sciences for suitable career and groom them for National recognition.
- To make the students savvy in data analytics.
- To train the students for interdisciplinary applications and research.
- To build life skills through value-based education and service-oriented programs.

## Physics & Electronics

### VISION

To promote knowledge based Citizens with Scientific temperament and futuristic thinking.

### MISSION

- To explore the functional & realistic aspects of the subjects.
- To provide practical exposure to industry.
- To foster employability skills.
- To inculcate zeal among students to go beyond the curriculum and develop innovative ideas.
- To build life skills through value-based education and service-oriented programs.

**Department of Sciences** is the most exciting, gratifying, and promising field we can pursue, That's why, at St. Joseph's, we believe our Science program should not only educate but also inspire you with the joy of learning. Each strikes a balance between conducting world-class teaching, excelling in education, and training students to become leaders in their field. The Science Department was **established** during the year 1997-98 with B.Sc (MPCs), B.Com (Computers) and MCA. During the year 1998-99 the combination of MECs, MSCs in B.Sc were added along with BCA. The Professional Post Graduate Course, MCA was introduced in the year 1999, approved by AICTE.

The Department always stood for **innovation** and **leadership** in **curriculum planning** - having one of the oldest and best known courses MCA programme; boldly proposed and introduced the B.Com(IT) programme and BBA(IT) in 2015 to attract the growing number of undergraduates in computer science; and in 2012, introduced the unique Course B.Sc (NHAEM) with specialization in Networking & Hardware, Applied Electronics & Mathematics combination aimed at the growing lack of computer professionals in networking and system Administrators.

The Department is renowned for cutting edge state-of-the-art and quality education since its inception. The Department is also known for facilitating the quality education to the highest and conducting various **curricular** and **extra-curricular activities** to make students excel in every field of study, through Interaction with Board of Studies, Bridge Courses, Value-added

Courses, Experiential Learning, Certificate Courses, Seminars & Guest Lectures, Peer group learning, Problem Solving Skills and Social Service Activities.

A variety of **extra-curricular activities** brings science undergraduates together, too. We have **Computer Club**, **Math Club** and **Science Club** working actively since years to build the gap between the technology innovation and learning perspective. We organized and took part in **seminars** and **guest lectures** for students and faculty.

Our **laboratories** also reflect the unique dichotomy of our curricula with general-purpose ones for core subjects and several specialized ones such as networking lab, SPSS lab and computational intelligence lab for the newest electives. Access to such laboratories is provided to students and faculty on all working days.

The strengths of the Department are its quality faculty, innovative and flexible curricula with their unique focus on post-graduate education, state-of-the-art facilities with remarkably high and open transparent policies that foster a healthy student-faculty interaction.

**Alumni** of our MCA, B.Sc and B.Com programs land jobs at top technology companies—such as Google, Infosys, Wipro, Microsoft — or are hired by major employers in the financial, entertainment, health care, or defense industries, among others.

## Achievements/Ranking of the Department

- The Department was established during the year 1997-98 .
- The Department of Computer Science organized a spectacular one day National Level IT Symposium, ANVESHNA '09'.
- The College obtained Autonomous Status in the year 2011 -12.
- Designed Curriculum for B.Sc & B.Com Courses
- In the Year 2012 the B.Sc (NHAEM) Course was introduced
- The Department of Computer Science organized a one day an IT & Management Meet “Sagraha 11 “ in the year 2011
- Ranked 3rd Best Science College by India Today in 2017-18
- Ranked 27th Top MCA College in India and Ranked 10th Top MCA College in Hyderabad by Mycollege.in 2011

## Details of Faculty - Full Time

### Qualifications & Experience

S. No	Name	Qualifications	Designation	Experience
1	Mrs. M. Kiran Jyothi	MCA, MBA	Associate Professor - Head	14
2	Mrs.T.Esther Ratna	M.Sc, M.Phil	Assistant Professor &	12

			Administrator - Academics	
3	Mr. D. Srinivas Reddy	M.Sc., M. Phil., B.Ed	Associate Professor	20
4	Mr. M. L. N Rao	M.Sc (Appl. Electronics)	Associate Professor	20
5	Mr. Sravan Kumar	M.Sc (Appl. Electronics)., M.B.A., B.Ed., (Ph.D)	Associate Professor	17
6	Mr. Ashok Kumar	M.Sc (Electronics), NET	Assistant Professor	12
7	Mrs.P. Madhuri Paul	MCA, M.Tech	Assistant Professor	7
8	Ms. V. Shailaja	MCA	Assistant Professor	4
9	Ms. S. Vijayalaxmi	M.Sc.(Statistics)	Assistant Professor	3
10	Mrs. Nampally Lakshmi	M.Sc., B.Ed	Assistant Professor	3
11	Mr.S.Srikanth	MCA	Assistant Professor	6
12	Mrs.C.Swathi	MCA	Assistant Professor	7
13	Mrs. M. Suneetha Reddy	M.Sc	Assistant Professor	10
14	Mrs. Pavani	M.Sc (Mathematics)	Assistant Professor	10
<b>Computer Lab Staff</b>				
15	Mr. Aloysius	Diploma	Network Administrator	12
16	Mr.Ch. Pavan Kumar	B. Tech	Network Administrator	7
17	Mr. Talin Paul	B. Tech	Programmer	3

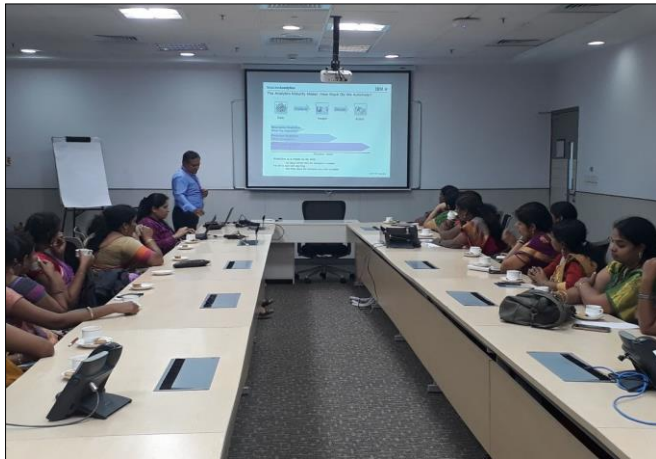
## Faculty Attended Programmes (In-house & Outside)

### Faculty Development Programme at IBM, Hyderabad

**Date** : 28/06/17  
**Venue** : IBM Learning Centre, Gachibowli, Hyderabad  
**Time** : 3:30-6:30 PM  
**Target Group** : Computer Science  
**Resource Person** : Ms.Sheetal and G.Anatha Padmanabham,IBM Learning Centre

**Report:**

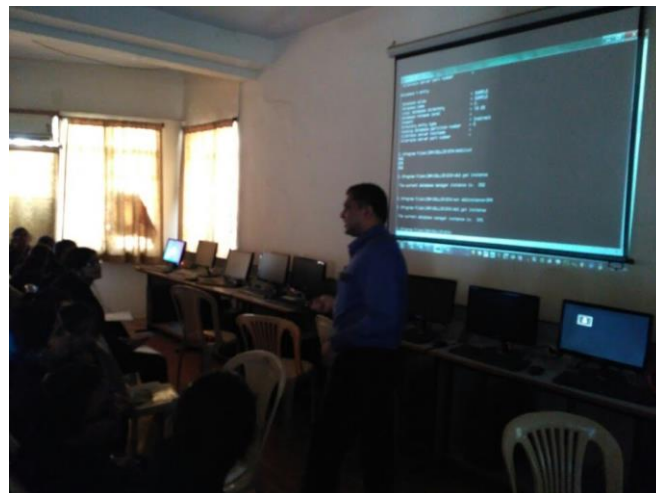
St. Joseph's Degree & PG College has signed MOU with the IBM learning centre for its BBA Business Analytics course, for the same training session was conducted for the lecturers of St. Joseph's Degree & PG College, faculty of department of Computer Science attended the session at the IBM premises, which is located at Gachibowli. Session was conducted on the areas like subjects, technology, future prospects and Return on investment from the student's perspectives.

**FDP on DB2**

**Date** : Jan 2018  
**Venue** : Ground Floor Lab, St. Joseph's College  
**Time** : 9:00 – 4:00 PM for 4 days  
**Target Group** : Computer Science Staff  
**Resource Person** : Mr. Madhu, Senior Programmer, IBM - India

**Report:**

Mr. Madhu, Senior Programmer, IBM - India conducted four days training session for all Computer Science faculty and on DB2. DB2 is a Relational DataBase Management System (RDBMS) originally introduced by IBM in 1983 to run on its MVS (Multiple Virtual Storage) mainframe platform. The name refers to the shift from the then prevalent hierarchical database model to the new relational model.





## Faculty Development Programme on "Bigdata Insights using Hadoop"

**Date** : 11<sup>th</sup> - 14<sup>th</sup> March 2018  
**Venue** : Ground Floor Lab  
**Time** : 9:00AM - 4:30 PM  
**Resource Person** : Mr. Merrymyal George, Hadoop Specialist, IBM - Bangalore

### Report:

St. Joseph's Degree & PG College has signed MOU with the IBM learning centre for its BBA Business Analytics course, for the same a training session FDP was conducted for the Computer Science Faculty of St. Joseph's Degree & PG College in the college. All the Units from the subject "Bigdata Insights using Hadoop" were taught by the Resource Person and given hands-on experience.



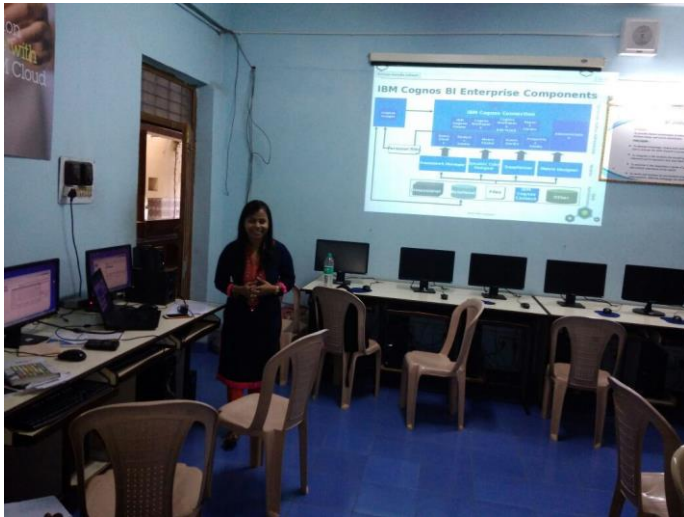
## Faculty Development Programme on "Descriptive Analytics Using Cognos Business Intelligence"

**Date** : 25<sup>th</sup> - 28<sup>th</sup> Apr 2018  
**Time** : 9:00 AM – 4:30 PM  
**Venue** : Ground Floor Lab  
**Resource Person** : Mrs. Sulatha Bowmick, Project Manager & SME, IBM-New Delhi  
**Target Group** : Computer Science & Business Management Faculty

### Report:

The objective of this programme was to facilitate and give greater understanding of Software Development Process from industry perspective and hence the knowledge to be useful for assisting the students' during teaching hours.

IBM Cognos Business Intelligence is an integrated business intelligence suite that provides a wide range of functionality to help you understand the organization's data. Everyone in the organization can use IBM Cognos BI to view or create business reports, analyze data, and monitor events and metrics so that they can make effective business decisions. IBM Cognos BI integrates the business intelligence activities in one Web-based solution.



## Faculty Development Programme on "System Analysis & Design"

**Date** : 19<sup>th</sup> September, 2017  
**Time** : 2:00 – 4:00pm  
**Resource Person** : Mr. Krishna Sarma, CEO of HILIP Technologies  
**Coordinator** : Mrs. T. Esther Ratna  
**Department** : Computer Science

### Report:

The objective of this programme was to facilitate and give greater understanding of Software Development Process from industry perspective and hence the knowledge to be useful for assisting the students' during project work.

The concept of the various phases of Software Development was explained using a live example by Mr. Krishna Sarma, CEO of HILIP Technologies who had a vast experience in developing prestigious projects of international stature. The lecture gave clarity on practical approach adopted by the industry to develop an application. This helped the faculty to enhance their knowledge and gain clarity of the topic.



## Guest Lecture on "Extended Markup Language (XML)" at Reddy Women's College, Hyderabad

**Date** : 08/09/2017  
**Venue** : Raja Bahadur Reddy Women's College, Hyderabad  
**Time** : 9:00-11:00 AM  
**Target Group** : B.Com Students  
**Resource Person** : Mrs. P. Madhuri Paul, Asst. Professor, Dept. of Computer Science  
**Report:**

Mrs. P. Madhuri Paul, Asst. Professor, Dept. of Computer Science has been invited for a Guest Lecture on "XML". She served as a Resource Person to B.Com Students who have Web Programming as a subject in Reddy Women's College. She taught the topics like XML, XML Style Sheets, XSLT, XML DTD and Query Language. The students, HoD-CS and concerned subject faculty of Reddy Women's College appreciated the resource person for the lecture is so understandable and informative.



## Website Training Session

**Date** : Feb 2018  
**Venue** : Ground Floor Lab, St. Joseph's College  
**Time** : 1:30 – 4:30 PM  
**Target Group** : Computer Science Staff  
**Resource Person** : Mr. Sridhar, Senior Associate, Rify Hosting Ltd.  
**Report:**

Mr. Sridhar from Rify Hosting Company conducted a training session for all the computer Science faculty on Word press. Word Press is basically a software designed for everyone, emphasizing accessibility, performance, security, and ease of use. St. Joseph's College Website is designed using Word Press and all the faculty of computer Science are given login Ids and passwords to make changes in the Website dynamically.

## FDP on Research Methodology

**Date** : Jan 2018  
**Venue** : Ground Floor Lab, St. Joseph's College  
**Time** : 2:30 – 4:00 PM  
**Target Group** : Computer Science Staff  
**Resource Person** : Dr. Vandhana, Dept. of Business Management, SJC

### Report:

As a sign of progress towards Research work, Department of Computer Science invited Dr. Vandhana to through little light on writing research papers in a quality way. Dr. Vandhana addressed students as well as faculty and emphasized on data collection, choosing the apt title according to the context, conclusion tips and other research methodologies which makes our paper to more effectively.

## Paper presentations/Paper publications by faculty

S.No	Faculty Name	Name of the Event & Date	Organized by	Paper Presented/ Published	Title of the Paper	ISBN/ ISSN	Impact Factor
1	Mrs. M. Kiran Jyothi	International Conference 19 – 21 Jan 2018	Dept. of Commerce SJC	Presented & Published	A Multilevel Data Encryption Model To Ensure Privacy and Security of BigData at Data Storage Level	IJETSR 2364 3386	3.5
2	Mrs. M. Kiran Jyothi	National Conference 9 <sup>th</sup> Feb 2018	Dept. of Sciences SJC	Presented & Published	A Quick development Model with Security for Change oriented software Process	IJCMS 2347 8527	2.58
3	Mrs.T. Esther Ratna	International Conference 19 – 21 Jan 2018	Dept. of Commerce SJC	Presented & Published	Citizen Perception Towards Newsletter: An E-Governance Initiative In Hyderabad	IJETSR 2364 3386	3.5
4	Mrs.T. Esther Ratna	National Conference 9 <sup>th</sup> Feb 2018	Dept. of Sciences SJC	Presented & Published	Color Features Based Image Retrieval Framework : A Review	IJCMS 2347 8527	2.58
5	Mrs. P. Madhuri Paul	National Conference 9 <sup>th</sup> Feb 2018	Dept. of Sciences SJC	Presented & Published	Artificial Intelligence in Designing Humanoid Robots : With Emotions and Social Abilities	IJCMS 2347 8527	2.58
6	Mrs. P. Madhuri Paul	International Conference 19 – 21 Jan 2018	Dept. of Commerce SJC	Presented & Published	Revolutionizing Mobile Communications with Heterogeneous Computing	IJETSR 2364 3386	3.5
7	Mrs.V. Shailaja	National Conference 9 <sup>th</sup> Feb 2018	Dept. of Sciences SJC	Presented & Published	The Role of Test Cases in Producing a Quality Software Product	IJCMS 2347 8527	2.58
8	Mr. Pavan Kumar	National Conference 9 <sup>th</sup> Feb 2018	Dept. of Sciences SJC	Presented & Published	An Analysis on Information Security in Online Banking & Its Countermeasures	IJCMS 2347 8527	2.58

9	Mr. S. Srikanth	National Conference 9 <sup>th</sup> Feb 2018	Dept. of Sciences SJC	Presented & Published	Necessity of Data Warehousing & Mining in Today's World	IJCMS 2347 8527	2.58
10	Mrs. M. Sunitha	National Conference 9 <sup>th</sup> Feb 2018	Dept. of Sciences SJC	Presented & Published	Preserving Database Security in Multi Cloud Processing	IJCMS 2347 8527	2.58
11	Mrs. M. Sunitha	National Conference 9 <sup>th</sup> Feb 2018	Dept. of Sciences SJC	Presented & Published	A Novel Approach for Recognizing Morphological Words	IJCMS 2347 8527	2.58
12	Mr.D. Srinivas Reddy	National Conference 9 <sup>th</sup> Feb 2018	Dept. of Sciences SJC	Presented & Published	Solving a Optimization problems using MM & EM Algorithms	IJCMS 2347 8527	2.58
13	Ms.S.Vijaya Laxmi	National Conference 9 <sup>th</sup> Feb 2018	Dept. of Sciences SJC	Presented & Published	Statistics & Sustainable Development Goals	IJCMS 2347 8527	2.58
14	Mr. M.L.N. Rao	National Conference 9 <sup>th</sup> Feb 2018	Dept. of Sciences SJC	Presented & Published	Embedded Systems Security	IJCMS 2347 8527	2.58
15	Mr. Sravan Kumar	National Conference 9 <sup>th</sup> Feb 2018	Dept. of Sciences SJC	Presented & Published	Infrared Raman Spectroscopy (IRS): A Potential technique in analysis of pharmaceutical developments towards drug concentration	IJCMS 2347 8527	2.58
16	Mr. Sravan Kumar	National Conference 9 <sup>th</sup> Feb 2018	Dept. of Sciences SJC	Presented & Published	Spectroscopic studies of $x\text{ZnO}-10\text{Nb}_2\text{O}_5-(89-x)\text{TeO}_2-1\text{CuO}$ glass System	IJCMS 2347 8527	2.58
17	Mr. Sravan Kumar	National Conference 9 <sup>th</sup> Feb 2018	Dept. of Sciences SJC	Presented & Published	Synthesis, characterization and dielectric response of polycrystalline alkaline earth chromate $\text{CaCr}_2\text{O}_4$	IJCMS 2347 8527	2.58
18	Mr. R Ashok Kumar	National Conference 9 <sup>th</sup> Feb 2018	Dept. of Sciences SJC	Presented & Published	Challenges of Implementing Sensors and its Technology in IOT	IJCMS 2347 8527	2.58
19	Mr. R Ashok Kumar	National Conference 9 <sup>th</sup> Feb 2018	Dept. of Sciences SJC	Presented & Published	Impedance Studies on $\text{RO-MxOy-B}_2\text{O}_3$ Glass Systems	IJCMS 2347 8527	2.58
20	Mrs.Nampally Lakshmi	National Conference 9 <sup>th</sup> Feb 2018	Dept. of Sciences SJC	Presented & Published	Use of ICT-An Effective way of Teaching & Learning Mathematics	IJCMS 2347 8527	2.58
21	MrsG.Sunitha	National Conference 9 <sup>th</sup> Feb 2018	Dept. of Sciences SJC	Presented & Published	Application of Mathematical sciences in Global Positioning System(GPS) Tracking	IJCMS 2347 8527	2.58
22	Mrs. K. Hari Priya	National Conference 9 <sup>th</sup> Feb 2018	Dept. of Sciences SJC	Presented & Published	Ensuring Reliable E-Learning systems using Data Mining Concepts	IJCMS 2347 8527	2.58

## Faculty Achievements/Consultancy

S.No	Faculty Name	Description
1	Mrs. T. Esther Ratna	Served as Resource Person on “ <b>Origin of Quality assurance in Higher Education and Importance of Teacher Accountability</b> ” in Orientation Programme 14 <sup>th</sup> Feb 2018 Andhra Mahila Sabha College of Education
2	Mrs. M. Kiran Jyothi	Served as Resource Person on “Quality Assessing Bodies & Agencies” 14 <sup>th</sup> Feb 2018 Andhra Mahila Sabha College of Education
3	Mrs. P. Madhuri Paul	Guest Lecture on “XML” <b>Target Group:</b> B.Com(Computers) – II Year Students RBVRR College, Narayanaguda, Hyderabad

## Departmental Contribution to Examination Branch

S. No	Name of the Faculty	Contribution to the Exam Branch
1	Mrs. M. Kiran Jyothi	<ul style="list-style-type: none"> <li>➤ Controller of Examinations P.G</li> <li>➤ Paper Setting</li> <li>➤ Evaluation of Scripts</li> <li>➤ Proof Reading</li> <li>➤ Moderation</li> <li>➤ Re-evaluation of Scripts</li> <li>➤ Tabulation</li> <li>➤ Result Analysis of respective Subjects</li> </ul>
2	Mrs.T.Esther Ratna	<ul style="list-style-type: none"> <li>➤ Paper Setting</li> <li>➤ Supervision</li> <li>➤ Observer</li> <li>➤ Squad</li> <li>➤ Evaluation of Scripts</li> <li>➤ Re-evaluation of Scripts</li> <li>➤ Result Analysis of respective Subjects</li> </ul>
3	Mr. D. Srinivas Reddy	<ul style="list-style-type: none"> <li>➤ Invigilation</li> <li>➤ Evaluation of Scripts</li> <li>➤ Re-evaluation of Scripts</li> <li>➤ Result Analysis of respective Subjects</li> </ul>
4	Mr. M. L. N Rao	<ul style="list-style-type: none"> <li>➤ Invigilation</li> <li>➤ Evaluation of Scripts</li> <li>➤ Re-evaluation of Scripts</li> <li>➤ Result Analysis of respective Subjects</li> </ul>

5	Mr. Sravan Kumar	<ul style="list-style-type: none"> <li>➤ Invigilation</li> <li>➤ Evaluation of Scripts</li> <li>➤ Re-evaluation of Scripts</li> <li>➤ Result Analysis of respective Subjects</li> </ul>
6	Mr. Ashok Kumar	<ul style="list-style-type: none"> <li>➤ Examination Committee</li> <li>➤ Paper Setter</li> <li>➤ Evaluation of Scripts</li> <li>➤ Re-evaluation of Scripts</li> <li>➤ Result Analysis of respective Subjects</li> </ul>
7	Mrs.P. Madhuri Paul	<ul style="list-style-type: none"> <li>➤ Paper Setting</li> <li>➤ Invigilation</li> <li>➤ Scrutiny</li> <li>➤ Evaluation of Scripts</li> <li>➤ Re-evaluation of Scripts</li> <li>➤ Result Analysis of respective Subjects</li> </ul>
8	Ms. V. Shailaja	<ul style="list-style-type: none"> <li>➤ Invigilation</li> <li>➤ Scrutiny</li> <li>➤ Evaluation of Scripts</li> <li>➤ Re-evaluation of Scripts</li> <li>➤ Result Analysis of respective Subjects</li> </ul>
9	Ms. S. Vijayalaxmi	<ul style="list-style-type: none"> <li>➤ Invigilation</li> <li>➤ Evaluation of Scripts</li> <li>➤ Re-evaluation of Scripts</li> <li>➤ Result Analysis of respective Subjects</li> </ul>
10	Mrs. Nampally Lakshmi	<ul style="list-style-type: none"> <li>➤ Invigilation</li> <li>➤ Evaluation of Scripts</li> <li>➤ Re-evaluation of Scripts</li> <li>➤ Result Analysis of respective Subjects</li> </ul>
11	Mr.S.Srikanth	<ul style="list-style-type: none"> <li>➤ Invigilation</li> <li>➤ Scrutiny</li> <li>➤ Evaluation of Scripts</li> <li>➤ Re-evaluation of Scripts</li> <li>➤ Result Analysis of respective Subjects</li> </ul>
12	Mrs.C.Swathi	<ul style="list-style-type: none"> <li>➤ Invigilation</li> <li>➤ Evaluation of Scripts</li> <li>➤ Re-evaluation of Scripts</li> <li>➤ Result Analysis of respective Subjects</li> </ul>
13	Mrs. M. Suneetha Reddy	<ul style="list-style-type: none"> <li>➤ Invigilation</li> <li>➤ Evaluation of Scripts</li> <li>➤ Result Analysis of respective Subjects</li> </ul>
14	Mrs. Pavani	<ul style="list-style-type: none"> <li>➤ Invigilation</li> <li>➤ Result Analysis of respective Subjects</li> </ul>

## Faculty Roles & Responsibilities In Department

S. No	Lecturer in-charge	Responsibilities
1	Mrs. Kiran Jyothi - HoD, CS	<ul style="list-style-type: none"> <li>➤ Subject allotment</li> <li>➤ Preparation of Time table, Annual planner, Monthly Planners.</li> <li>➤ Time-table Monitoring</li> <li>➤ Scrutiny of Academic Record, Attendance Registers and Teaching Diary</li> <li>➤ Staff Punctuality, Ethics, Permissions, &amp; Work status report</li> <li>➤ Prepare &amp; Monitor academic activities</li> <li>➤ Design of Curriculum and Syllabi</li> <li>➤ Organizing Guest Lectures, Seminars &amp; workshops</li> <li>➤ Conduct of Certificate courses</li> <li>➤ Project / Internship for UG</li> <li>➤ Co-Coordinator of Computer Club</li> <li>➤ Controller of Examinations P.G</li> <li>➤ Class In-charge</li> <li>➤ Feedback system Monitoring &amp; Administering In-charge</li> <li>➤ CBCS related work</li> <li>➤ Attendance software Maintenance</li> <li>➤ Project Guidance</li> </ul>
2	Mrs. T. Esther Ratna	<ul style="list-style-type: none"> <li>➤ Administrator</li> <li>➤ Counseling Female Students</li> <li>➤ Checking college mails</li> <li>➤ Faculty Development Programs conducting &amp;</li> <li>➤ Preparation of reports</li> <li>➤ Governing Body Meeting coordinated for the year 2015-16</li> <li>➤ Academic calendar</li> <li>➤ Revised Attendance register</li> <li>➤ Dean – Student affairs</li> <li>➤ IQAC coordinator</li> <li>➤ Growing Bonsai - Certificate course coordinator</li> <li>➤ Free Medical Camp, Independence day, Teachers day - Coordinator</li> <li>➤ Feedback report generation</li> <li>➤ Prepared various formats of reporting</li> <li>➤ Coordinated for Staff Orientation Programme</li> </ul>



		<ul style="list-style-type: none"> <li>➤ First IQAC meeting was conducted after taking over</li> <li>➤ SQAC meetings – 03 conducted</li> <li>➤ Coordinated Workshop on “Implementation of CBCS in Autonomous Colleges in Hyderabad” in collaboration with Telangana State Council of Higher Education (TSCHE) and ICSSR on 25 July, 2015 at St. Joseph’s Degree &amp; PG College.</li> <li>➤ CBCS related work</li> <li>➤ Project Guidance</li> </ul>
3	Mr Srinivas Reddy	<ul style="list-style-type: none"> <li>➤ Course Coordinator</li> <li>➤ Class Incharge</li> <li>➤ Project guidance incharge</li> <li>➤ Placement Coordinator</li> </ul>
4	Mr.M LN Rao	<ul style="list-style-type: none"> <li>➤ Course Coordinator</li> <li>➤ Class Incharge</li> <li>➤ Field visit incharge</li> <li>➤ Project guidance incharge</li> <li>➤ Placement Coordinator</li> </ul>
5	Mr Sravan	<ul style="list-style-type: none"> <li>➤ Class Incharge</li> <li>➤ Project guidance Incharge</li> <li>➤ JSR Committee Member</li> </ul>
6	Mr R Ashok	<ul style="list-style-type: none"> <li>➤ Class Incharge</li> <li>➤ Member of Exam Branch</li> <li>➤ Time Table Preparation</li> </ul>
7	Mrs. P. Madhuri Paul	<ul style="list-style-type: none"> <li>➤ Field Trip in-charge</li> <li>➤ Coordinator of Computer Club</li> <li>➤ Conducting Seminars &amp; workshops &amp; Preparation of Reports</li> <li>➤ Preparation of Semester Reports</li> <li>➤ Preparation of Annual Report</li> <li>➤ Class In-charge</li> <li>➤ National Conference Work</li> </ul>
8	Mrs.V. Shailaja	<ul style="list-style-type: none"> <li>➤ Maintaining and updating college website content</li> <li>➤ Class In-charge</li> <li>➤ Social Service Activities</li> <li>➤ Maintaining Event register</li> </ul>
9	Mrs.S. Srikanth	<ul style="list-style-type: none"> <li>➤ Class Incharge</li> <li>➤ IT Incharge</li> <li>➤ Wifi Incharge</li> <li>➤ Facebook Incharge</li> <li>➤ College Mail ID Incharge</li> </ul>

10	Mrs.P.Sunitha	<ul style="list-style-type: none"> <li>➤ Co-Coordinator of Computer Club</li> <li>➤ College Mail Administration</li> <li>➤ Result Analysis Report</li> <li>➤ Department library in-charge</li> </ul>
11	Ms VijayLaxmi	<ul style="list-style-type: none"> <li>➤ Class Incharge</li> <li>➤ Time Table Incharge</li> <li>➤ Extra-Curricular Activities Member Committee</li> </ul>
12	Mrs. Nampally Laxmi	<ul style="list-style-type: none"> <li>➤ Class Incharge</li> <li>➤ Library member</li> <li>➤ Mathematics Club</li> </ul>
13	Mrs. M. Sunitha	<ul style="list-style-type: none"> <li>➤ Student Support Activities documents filing</li> <li>➤ Departmental Activites</li> </ul>
14	Mrs Pavani	<ul style="list-style-type: none"> <li>➤ Class Incharge</li> <li>➤ Mathematics Club</li> <li>➤ Project guidance incharge</li> </ul>

## Almanac for the year 2017- 18

### Almanac for I, III & V Semesters

S.No	Particulars	Date
1	Commencement of III & V Semester Classes	12 <sup>th</sup> June 2017
2	Commencement of I Semester Classes	28 <sup>th</sup> June 2017
3	I-Internal Examination	2 <sup>nd</sup> Aug to 4 <sup>th</sup> 2017 (34 working days for Sem - III & V) (24 working days for Sem - I)
4	Certificate Course Commencement	9 <sup>th</sup> Aug 2017
5	Examination Notification (Main)	25 <sup>th</sup> Sept 2017
6	II-Internal Examination	25 <sup>th</sup> - 27 <sup>th</sup> Sept 2017 (31 working days for Sem I,III & V)
7	Internal Practical Examinations	3 <sup>rd</sup> October to 13 <sup>th</sup> October 2017
8	Sale of Examination Forms	3 <sup>rd</sup> October to 6 <sup>th</sup> October 2017
9	Submission of Examination Forms	
	A. Without Late Fee	3 <sup>rd</sup> October to 10 <sup>th</sup> October 2017
	B. With late Fee	11 <sup>th</sup> October to 17 <sup>th</sup> October 2017
10	Last day of Instruction	20 <sup>th</sup> October 2017
11	Preparation Holidays	21 <sup>st</sup> Oct to 25 <sup>th</sup> 2017
12	Commencement of End Semester Examinations	26 <sup>th</sup> Oct 2017

13	Final Practical Examinations	20 <sup>th</sup> Nov to 28 <sup>th</sup> Nov 2017
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### Almanac for II, IV & VI Semesters

S.No	Particulars	Date
1	Commencement of II, IV & VI Semester Class	29 <sup>th</sup> Nov 2017
2	Christmas Vacation	23 <sup>rd</sup> Dec 2017 to 1 <sup>st</sup> Jan 2018
3	I-Internal Examination	10 <sup>th</sup> Jan to 12 <sup>th</sup> Jan 2018 (25 Working Days)
4	Examination Notification	21 <sup>st</sup> Feb 2018
5	II-Internal Examination	21 <sup>st</sup> Feb to 23 <sup>rd</sup> Feb 2018 (26 Working Days)
6	Internal Practical Examination	5 <sup>th</sup> March to 16 <sup>th</sup> March 2018
7	Sale of Examination Forms	26 <sup>th</sup> Feb to 2 <sup>nd</sup> March 2018
8	Submission of Examination Forms	
	A. Without late Fee	5 <sup>th</sup> March to 12 <sup>th</sup> March 2018
	B. With Late Fee	13 <sup>th</sup> March to 17 <sup>th</sup> March 2018
9	Last Date of Instruction	16 <sup>th</sup> March 2018
10	Preparation Holidays	17 <sup>th</sup> March to 25 <sup>th</sup> March 2018
11	Commencement of End Semester Examination	26 <sup>th</sup> March 2018
12	Final Practical Examinations	18 <sup>th</sup> April 2018

### Orientation to the B.Sc - II & III Year Students

<b>Venue</b>	:	401 & 402
<b>Date</b>	:	15 <sup>th</sup> June 2017
<b>Time</b>	:	8:30AM - 1:10PM
<b>Organized by</b>	:	Department of Sciences
<b>Faculty Coordinators</b>	:	Mrs Kiran Jyothi, Head Department Science, Mrs G. Sunitha and Mr. M. L. N. Rao
<b>Target Group</b>	:	II & III Year Students of B.Sc (M.P.Cs/M.E.Cs/M.S.Cs)

#### Report:

The Orientation program to the second and final year students of B. Sc was conducted on 15<sup>th</sup> June 2017, the re-opening day. Mrs Kiran Jyothi, Head - Department of Science, Mrs G Sunitha and Mr M L N Rao, oriented the students on their respective curriculum and the significance of

project to the final year students and Skill Enhancement Course to the second years. The Faculty of the respective subjects briefed the objectives and outcomes of the subjects briefly to the students.

## Orientation to B.Sc First Year students

<b>Date</b>	:	28 <sup>th</sup> June 2017
<b>Venue</b>	:	Chapel Hall
<b>Time</b>	:	11:00 AM – 4:00PM
<b>Resource Persons</b>	:	Faculty of Science
<b>Target Group</b>	:	B. Sc first year students

### Report:

The objective of the Program was to provide a smooth transition for the students into new environment of the college. The aim of the program is to specifically establish a welcoming environment that creates a sense of belonging and acclimate students to the academic and co-curricular programs and resources.

Most Rev. Fr. Vincent Arokiadas, Principal started the program with the prayer and welcomed the first year students and parents. He also congratulated the students for getting admitted into St. Joseph's Degree & PG College.

Mrs Kiran Jyothi-HOD, Sciences, provided enriched inputs on the Department of Mathematics & Statistics, Department of Computer Science & Department of Physics & Electronics. She also described the activities of the department and introduced the faculty to the students. She also spoke about the prospects in adopting B.Sc Course, career opportunities and the corporate expectations.

The students were introduced to the Scheme of Examination by the Controller of Examinations Mr.B.Satyanarayana Rao. He explained in detail the procedures of Promotion to even semester to odd semester, about the internal & external examinations SBTs viz. Skill based Tests. Sir also explained about various certificates that would be issued to them at the end of their course including the semester memorandums.

An Ice-breaking session was organized by Mrs Nampally Lakshmi, Ms.S.Vijayalaxmi & Mrs Swathi wherein students participated enthusiastically.

## Bridge Course/ Remedial Classes conducted

<b>Date</b>	:	01 <sup>st</sup> August 2017
<b>Target group</b>	:	All B.Sc First Year Students
<b>Venue</b>	:	Respective Class Rooms (309,403,501)
<b>Objective</b>	:	To test the level of knowledge in computer basics.

S.No	Target Group	Subject	Details
1	B.Sc (MPCs/MSCs/MECs) - I Year	Computer Science	Conducted Entry level test for ½ hour duration which consist of 25 Questions for the first year B.Sc (MPCs/MSCs/MECs) students which includes Fundamentals of Computers.  <b>Coordinator:</b> Mrs. V. Shailaja
2	B.Sc (MPCs & MECs) - I Year	Physics & Electronics	Taught the Fundamentals in Physics newly emerging areas and strengthening the electricity, Magnetism, electromagnetism, mechanics, thermal physics, optics Etc. to understand in vector form all physics topics applied under physical parameter view. The following topics mentioned under brief note: <ul style="list-style-type: none"> <li>▪ Vector principles and calculations- representation.</li> <li>▪ Scalar field and vector field physical meaning scope to analyze the said areas.</li> <li>▪ Vector differentiation and operator forms</li> <li>▪ Vector and scalar continuous differentiable functions.</li> <li>▪ Partial differentiation of vectors.</li> <li>▪ Scalar fields to vector fields mathematical expressions.</li> </ul> <b>Coordinators:</b> Mr. Sravan Kumar & Mr. Ashok
3	B.Sc (MPCs/MSCs/MECs) - I Year	Mathematics	Conducted Bridge Course for all the students who secured less than 40% of marks. Emphasized on the topological concepts of Mathematics to fill the gap in the existing knowledge of the student and pave way for conceptual learning.  <b>Coordinators:</b> Mrs. J. Pavani & Mr D Srinivas Reddy

## Innovative Teaching Learning Practices

- Lecture method
- Hands on experience
- Project Method
- Peer-to- peer Learning
- Student Seminars
- Assignments
- Case study
- Problem Solving Skills

- Experiential learning
- Collaborative Learning
- Audio-Visual presentations through LCD

## Best Practices/ SWOT Analysis of the Department

### Best Practices of the Department

#### ❖ Curriculum

- Practical orientation
- Electives
- Internship /Project
- Certificate Courses
- Inter disciplinary Course

#### ❖ Teaching Learning Process

- Orientation Programme
- Catering to diverse learning needs
- Bridge Course
- Tutorials
- Remedial Classes
- Solving Case Study

#### ❖ Teaching Methodologies

- Lecture method
- Hands on experience
- Project Method
- Student Seminars
- Assignments
- Experiential learning
- Audio-Visual presentations through LCD

#### ❖ Co Curricular Activities

- Club Activities
- Informatique Exhib
- Field visits
- Workshops/Guest lectures
- Josephiesta

### SWOT Analysis of the Department

#### Strengths

- ✓ Regularly organizing guest lectures and student's seminars
- ✓ Conducts computer awareness programmes for staff
- ✓ Caters to needs of all courses
- ✓ Maintains the IT infrastructure of the College
- ✓ Maintains the Attendance Software of the college

- ✓ Potential to develop programme for structured student feedback questionnaire and analysis.

### Weaknesses

- ✓ Below average students
- ✓ Research activities
- ✓ Industry interaction
- ✓ Live projects
- ✓ Recruiting and retaining quality teachers.

### Opportunities

- ✓ To enhance hands on experience
- ✓ Exposure of students to more career opportunities and entrepreneurship
- ✓ Optimal utilization of infrastructure
- ✓ Identifying New Courses

### Challenges

- ✓ To increase the intake capacity for courses like BSc(NHAEM)
- ✓ To find skilled hardware technicians

## Guest Lectures/ Seminars/ Workshops organized for Students

S.No	Topic	Date	Resource Person	Organization	Course	Type of Activity
1	Orientation Programme for B.Sc – II & III Year Students	15 <sup>th</sup> June 2017	Mrs Kiran Jyothi, Head Department of Science, Mrs G. Sunitha Mr. M. L. N. Rao	St. Joseph's Degree & PG College	B.Sc – II & III Years	Orientation Programme
2	Orientation on "Computer Science Project" for B.Sc Students	20 <sup>th</sup> June 2017	Mrs Kiran Jyothi Head - Department of Science	St. Joseph's Degree & PG College	B.Sc (MPCs/MECs/MSCs)	Project Orientation
3	Orientation on "Computer Science Project" for BBA Students	26 <sup>th</sup> June 2017	Mrs Kiran Jyothi Head - Department of Science	St. Joseph's Degree & PG College	BBA(IT) – III Year	Project Orientation
4	Induction Programme for B.Sc – I Year Students	28 <sup>th</sup> June 2017	Faculty of Science	St. Joseph's Degree & PG College	B.Sc – I Year Students	Orientation Programme
5	National Statistics Day	29 <sup>th</sup> June 2017	<b>Event Coordinators:</b> Ms.S.VijayaLaxmi& Mrs.Nampally Lakshmi	St. Joseph's Degree & PG College	B.Sc (MSCs) – I, II & III Years	Events & Activities
6	Bridge Course	1 <sup>st</sup> Aug 2017	<b>Coordinators:</b> Mrs. V. Shailaja Mr. Sravan Kumar Mr. Ashok Mrs. J.Pavani Mr. D. Srinivas Reddy	St. Joseph's Degree & PG College	B.Sc (MPCs/MECs/MSCs)– I Year Students	Remedial Classes
7	InformatiqueExhib –	9 <sup>th</sup> Aug	<b>Faculty Coordinators:</b>	St. Joseph's	All	Exhibition

	2017	2017	Mrs. V. Shailaja, Mrs. C. Swathi,	Degree & PG College	UG I Year Students	
8	Science Club Activity	11 <sup>th</sup> Aug 2017	Mr. M.L.N Rao	St. Joseph's Degree & PG College	All UG Students	Club Activity
9	Momath – 2017	17 <sup>th</sup> Aug 2017	Faculty of Mathematics	St. Joseph's Degree & PG College	B.Sc – I, II & III Year Students	Exhibition
12	IT Quiz – 2017	13 <sup>th</sup> Sep 2017	<b>Faculty Coordinators:</b> Mrs. P. Madhuri Paul Mr. S. Srikanth	St. Joseph's Degree & PG College	B.Sc, B.Com, BBA, BA Students of all the years	Quiz
13	Field Visit to “Technique Design Group to study Embedded Systems”	14 <sup>th</sup> Sep 2017	<b>Resource Person:</b> Mr. Chandra Shekar, Technical Head <b>Faculty Coordinator:</b> Mr. M.L.N. Rao	Technique Design Group	B.Sc (MECs) Students	Field Visit
14	Parent – Teachers Meeting	16 <sup>th</sup> Sep 2017	Respective Class In- charges	St. Joseph's Degree & PG College	B.Sc (MPCs/ MECs/MSC s)	
15	Alumni Meet	16 <sup>th</sup> Sep 2017	Mrs. M. Kiran Jyothi, Head	St. Joseph's Degree & PG College	Alumni of MCA &B.Sc& B.Com	
16	Bathumma Celebration	22 <sup>nd</sup> Sep 2017	<b>Faculty Coordinator:</b> Ms. Vijayalaxmi Mrs. Nampally Lakshmi	St. Joseph's Degree & PG College	All the UG Students	Event / Celebration
17	Guest Lecture on “Software Development – Industry Perspective”	19 <sup>th</sup> Sep 2017	<b>Resource Person:</b> Mr. Krishna Sarma, CEO of HILIP Technologies <b>Faculty Coordinator:</b> Mrs. T. Esther Ratna	HILIP Technologies	B.Sc (MPCs/ME Cs /MSCs) III Year Students	Guest Lecture
18	Guest Lecture on “ASP.Net”	10 <sup>th</sup> Oct 2017	<b>Resource Person:</b> Mrs. V. Shailaja, <b>Faculty Coordinator:</b> Mrs. C. Swathi	St. Joseph's Degree & PG College	B.Sc (MPCs/ME Cs /MSCs) III Year Students	Guest Lecture
19	Remedial Classes	21 <sup>st</sup> Oct – 25 <sup>th</sup> Oct 2017	All the Respective Subject Lecturers	St. Joseph's Degree & PG College	B.Sc (MPCs/ME Cs /MSCs) – I, II & III Year Students	Remedial Classes
20	<b>Computer Literacy Day</b> • JAM • Visit to Govt. School to educate Children	2 <sup>nd</sup> Dec 2018	<b>Faculty Coordinators:</b> Mrs.M. Kiran Jyothi Mrs. P. Madhuri Paul Mrs. V. Shailaja	St. Joseph's Degree & PG College	B.Sc (MPCs/ME Cs/MSCs) – I, II & III Year Student	Event / Campaign



	<ul style="list-style-type: none"> <li>Computer Literacy education to Non- Teaching Staff</li> </ul>				Volunteers	
21	<b>National Mathematics Day</b> <ul style="list-style-type: none"> <li>IQ Test</li> <li>Collage Making</li> <li>Guest Lecture on “Number Theory” by Prof.RajatTandon , HCU</li> </ul>	22 <sup>nd</sup> Dec 2018	<b>Faculty Coordinators:</b> Mr. Srinivas Reddy Mrs. PavaniJanapati Mrs. Lakshmi Ms. Vijayalaxmi	St. Joseph’s Degree & PG College	B.Sc (MPCs/ME Cs/MSCs) – I, II & III Year Student	Event / Campaign
22	National Conference	9 <sup>th</sup> Feb 2018	All Science Faculty	St. Joseph’s Degree & PG College	Outside Colleges, Students, Faculty, Research Scholars and In-house students & Faculty	Conference
23	JSR Activities	17 <sup>th</sup> Feb 2018	Class In-charges: All Science Faculty	St. Joseph’s Degree & PG College	B.Sc – I, II & III Years	Academic Activity
24	National Science Day	28 <sup>th</sup> Feb 2018	Prof. M. Muralidhar Dept. of Physics	Osmania University	B.Sc – I, II & III Years	Events & Activities
25	Students Project Presentation	11 <sup>th</sup> March 2018	1. Mr. Sravan Kumar for Physics Projects 2. Mrs. Shailaja for Computer Science Projects 3. Mr. Srinivas Reddy for Mathematics Projects 4. Mr. M.L.N.Rao for Electronics Projects 5. Ms. Vijayalaxmi for Statistics Projects	St. Joseph’s Degree & PG College	B.Sc – III Years	Project Seminars
26	Field Visit to ESCI, Gachibowli	13 <sup>th</sup> March 2018	Mr. JagadishLolugu, Faculty & Business Head	Engineering Staff College of India (ESCI), Hyderabad	B.Sc, B.Com(IT) & BBA(IT)	Field Visit
27	B.Sc Students Farewell	17 <sup>th</sup> March 2018	All B.Sc II Year Students and Faculty Coordinators	St. Joseph’s College	B.Sc – Final Year Students	Academic & Cultural Activity

## Orientation on Computer Science Projects for B.Sc Students

<b>Date</b>	:	20 <sup>th</sup> June, 2017
<b>Time</b>	:	1:00PM - 3:00PM
<b>Venue</b>	:	3rd Floor Lab
<b>Organized by</b>	:	Mrs. Kiran Jyothi, HOD, Department of Computer Science
<b>Target Group</b>	:	B.Sc (MPCs/MECs/MSCs) – III years

Mrs.Kiran Jyothi, HoD,CS, organized a seminar on “Project Guidance” for B.Sc III year students. The Seminar covered different phases of SDLC and students were been given inputs on how to prepare the Final Project Report.

## Orientation on Computer Science Projects for BBA Students

<b>Date</b>	:	26 <sup>th</sup> June, 2017
<b>Time</b>	:	1:00PM - 3:00PM
<b>Venue</b>	:	Seminar Hall
<b>Organized by</b>	:	Mrs. Kiran Jyothi, HOD, Department of Computer Science
<b>Target Group</b>	:	B.B.A – III Years

Mrs.Kiran Jyothi, HoD, Computer Science, organized a seminar on “Project Guidance” for B.B.A III year students. The Seminar covered different phases of SDLC and students were been given inputs on how to prepare the Final Project Report.



## National Statistics Day

The Department of Mathematics & Statistics celebrated National Statistics Day on 29<sup>th</sup> June'2017. **National Statistics Day** is celebrated to mark the birth anniversary of Prof. Prasanta Chandra Mahalanobis, a renowned & eminent statistician. He contributed for the statistical developments to a great extent, & hence Government of India designated his birth Anniversary to be celebrated as National Statistics Day.

The Department conducted various activities to the B.Sc II & III year MSCs students as a part of celebration. The students participated with great enthusiasm. The students prepared Posters which reflected the contributions of Prof. Prasanta Chandra Mahalanobis, Prof. R. A Fisher, George Galton, Karl Pearson and other eminent Statisticians

The students were divided into 5 teams, each team comprised of 8 students. Activities like **Written Test** in which students were given 25 questions; they were expected to give maximum number of answers in 20 minutes of time limit. Other activities such as **Floor Crossing** in which students were asked to utter statistician's names or various concepts of statistics which was conducted like **Anthyakshari**. Activities like **Quiz** were a part of the event. Wuzzles which portrait Statistics words & concepts of Statistics were the questions in it.



## Student participating in Quiz

**Event Coordinators:** Ms. S.Vijaya Laxmi, Asst. Professor  
Mrs. Nampally Lakshmi, Asst. Professor

### Winners List:

1st Prize to Team-II	2nd Prize to Team-IV	3rd Prize to Team-V
1. AbhilashNegi	1. Bala Kavya	1. Khyati Davda
2. P.Sneha	2. B. Kartheek	2. Avani Bajaj
3. T.Bhasker	3. G. Sainath	3. Ranjith
4. M.Vikram	4. Yash Raju	4. Rahul Dinakar
5. V.Rakesh	5. Chehak Agarwal	5. Cyril Stephen
6. K.Vijay	6. G. Pooja	6. Aslamuddin
7. Kanishka	7. Hyder Ali	7. Jestina Sharon
8. M.Meghana	8. T. Vinod Kumar	8. K. Aravind

## **6<sup>th</sup> Informatique Exhib**

<b>Venue</b>	:	Joseph's Hall
<b>Date</b>	:	9th Aug 2017
<b>Time</b>	:	9:00AM - 4:00PM
<b>Organized by</b>	:	Department of Computer Science
<b>Faculty Coordinators</b>	:	Mrs. V. Shailaja, Asst.Prof, Dept. of Computer Science. Mrs. C. Swathi, Asst.Prof, Dept. of Computer Science.
<b>Target Group</b>	:	I Year UG Students of B.Sc (M.P.Cs/M.E.Cs/M.S.Cs), B.Com(Gen), B.Com(Comp), B.Com(Hons), B.Com (IT), B.Com(IFA), B.Com(Prof), B.B.A, B.B.A(IT), B.B.A(Business Analytics).

### **Report:**

The Inaugural session of the Computer Fair "Informatique Exhib-2017" started by welcoming the dignitaries Rev.Fr.Vincent Arokiadas -Principal, Rev.Fr.Solomon - Correspondent, Mrs. M. Kiran Jyothi - HoD, Computer Science, Mrs. T. Esther Ratna - Dean onto the dais by Mrs. Shailaja.

- The Session began with the prayer by Rev.Fr.Vincent Arokiadas - Principal and was open for exhibition.
- Rev.Fr.solomon - Correspondent, addressed the gathering. He appreciated the participants and also the Dept. of Computer Science for conducting such an event.
- Mrs. M. Kiran Jyothi -HoD of Computer Science quoted that this event enhances the student's knowledge beyond the curriculum and gives exposure to latest happenings in the field of computer science.

43 teams from the first year students of all streams participated in this event.

The participants selected exhibits from various categories like Software, Hardware and Networking and prepared the following:

- A model of the exhibit.
- A chart explaining the exhibit device and working of the device or a presentation
- Some participants exhibited the working model.

**Winners List:**

Prize	Team	Name	Device	Class
I	42	Naser	Working of TOR and Deep Web	B.Com I(IFA)
II	8	Aryan Singh Arul Marian Tanuj Kumar	Wireless Sensor Network	B.Sc I (MSCs)
III	34	Kevin Nicholas Ashna Singh Dipen Jain	Artificial Intelligence	B.Com IB
III	14	G Jahanavi A Pratyusha B Anusha	Pollution Check And Control Device	B.B.A

All the first year UG students from all streams visited the event during their scheduled time and interacted positively and showed their curiosity and enthusiasm to learn more about the exhibits. The staff of all departments visited and appreciated the event.

The Teams were judged by the following **Judges:**

- Mrs. M. Kiran Jyothi -HoD of Computer Science,
- Mr. N. Srinivas– Associate professor, Department of Management.



Participants were given a participation certificate and the winners will be awarded on the college annual day programme. Vote of thanks was proposed by Mrs.C. Swathi, Asst.Prof, Dept. of Computer Science by thanking the management, student coordinators, participants, teaching and non-teaching staff to make this event a grand success.



**Feedback:** A Feedback was taken from the audience. The parameters emphasized on the objective of the fair and a choice was given to vote for the best team.

- A very good response and the students have learned the concept practically.
- The students requested for many more such activities.



## Science Club Activity – "Elocution"

**Date** : 11<sup>th</sup> Aug 2017

**Target Group** : All Streams

### Report:

As part of the Science Club activity Department of Physics & Electronics conducted elocution competition on 11<sup>th</sup> Aug 2017 at 1:30PM in Science LCD Room. Twenty three students from all streams registered for the same. Mrs. Payal Das was invited as the Judge for the program. The following two were selected as winners.

1. Mihir - B.Com – I First Year
2. Nainika - B.Sc - I First Year

## MOMATH - Museum of Mathematics

The Department of Mathematics & Statistics organized MOMATH-Museum of Mathematics on 17<sup>th</sup> Aug 2017 as a part of Math Club Activity. It highlighted the role of mathematics in illuminating the patterns and structures all around us. The students of B.Sc I, II & III years dynamically exhibited various models and revealed the wonders of mathematics.



It laid a platform for teaching & learning. The exhibition started with the **Inaugural**

by the Rev.Fr.Vincent Arokiadas - Principal, Rev.Fr.Arogyam, Rev.Fr.Thumma Solomon - Correspondent, Prof.P.LVishweshwar Rao - Director, Science Coordinator Mrs. Kiran Jyothi and the faculty of Mathematics & Statistics.

Immediately after the inaugural the choir team prayed the God Almighty for the successful conduction of the exhibition. The Museum was declared open by the Principal.



The Principal Rev.Fr.Vincent Arokiadas addressed the gathering & threw light on the importance of exhibition on Mathematics, he also mentioned that these type of exhibitions would definitely help the student in experiential learning and all round development.

Rev. Fr. Solomon also appreciated the initiative taken by the department and congratulated the students for their hardwork. Sir also mentioned the importance of Mathematics & told that Mathematics is the queen of all sciences.



The guests of honor visited the students exhibits with great enthusiasm and curiosity.





The students enthusiastically involved themselves in teaching the students of St. Joseph's High School girls, the various concepts involved in relation to their exhibit.



Faculty from various departments also appreciated the exhibits that were shaped out by the BSc students. They went to each exhibit with great interest.

**Feedback:**

The feedback was collected from the guests, faculty & the student invitees of St. Joseph's Girls High school. They were also asked to nominate the best teams for the prizes. The nominations & suggestions were taken into consideration.







The Vote of Thanks on behalf of the department of Mathematics & Statistics was proposed by Mr.D.Srinivas Reddy.

**Winners List :**

S.No	Prize	Name of the Students
1	I (39 votes)	Tabitha, Meghana, Saikiran (MSCs-IIyr)
2	II (29 votes)	Deepika, Jestina, Hyder Ali (MSCs-IIyr)
3	III (21 votes)	M.Nikhil, S.Mahender (MECS-III yr)

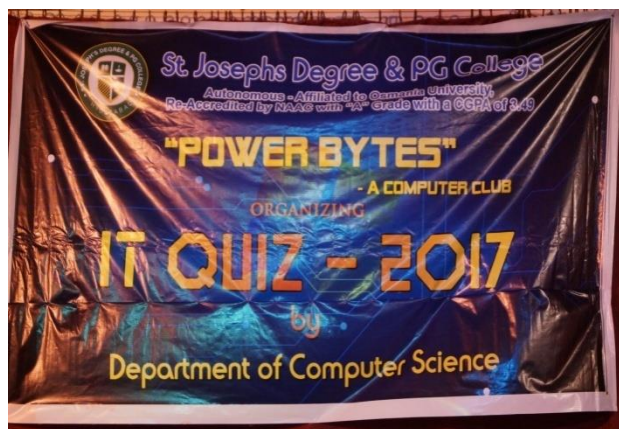
## IT Quiz

**Date** : 13<sup>th</sup> Sep 2017  
**Venue** : Joseph's Hall  
**Time** : 12.30PM – 4.00PM  
**Organized by** : Department of Computer Science  
**Quiz Coordinators** : Mrs. P. Madhuri Paul, Asst.Professor  
 Mr. S. Srikanth, Asst.Professor  
**Target Group** : I Year UG Students of B.Sc (M.P.Cs/M.E.Cs/M.S.Cs),  
 B.Com(Gen), B.Com(Comp), B.Com(Hons), B.Com (IT),  
 B.Com(IFA), B.Com(Prof), B.B.A, B.B.A(IT),  
 B.B.A(Business Analytics).

## Report:

The Department of Computer Science Organized “IT Quiz” as an activity in “Power Bytes” – A Computer Club on 13<sup>th</sup> Sep 2017. A Team consists of 3 Members maximum and 2 members minimum with a Registration fee of Rs. 30/- per team. Three Best Teams are awarded with First, Second and Third prizes.

The Principal of the College Rev. Fr. Vincent Arokiadas, greeted and wished all the Quizzers. Mrs. M. Kiran Jyothi, HoD and Mrs. T. Esther Ratna, Dean, Prof. P. L. VisheshwaraRao, Director addressed the gathering with greetings. The Quiz started with a preliminary round conducted for 56 teams, wherein 20 teams are shortlisted for Second Round; in turn 10 teams are shortlisted for Third Round, 5 teams for Final Round with Information & Technology Questions in all aspects. Programme ended with Vote of thanks given by the Coordinators.



## Quiz Winners List:

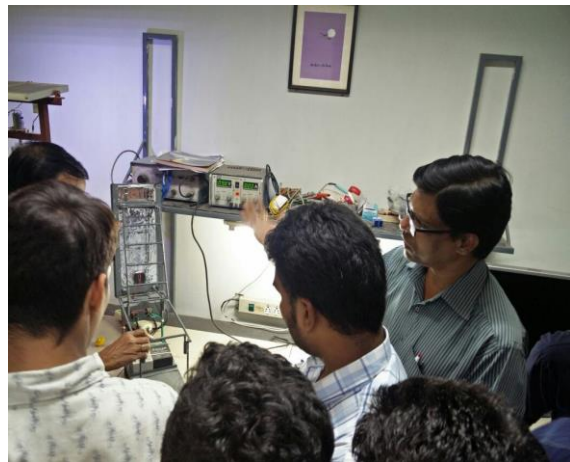
First Prize	Second Prize	Third Prize
1. Mr. Vamshi BBA(IT) – III Year	1. Mr. Sri Krishna B.Sc(MECs) – III Year	1. Mr. Aakash B.Com(IT) – III Year
2. Mr. Rahul BBA(IT) – III Year	2. Mr. Samba B.Sc(MECs) – III Year	2. Mr. P. Saiteja B.Com(IT) – III Year
3. Mohammed Shezaad BBA(IT) – III Year	3. Shaik Zameeruddin B.Sc(MECs) – III Year	3. Mr. Dinesh B.Com(IT) – III Year

## Industrial Visit

**Date** : 14<sup>th</sup> Sept 2017

**Target Group** : B.Sc (MECs) Final Year

The department Physics & Electronics conducted field visit Technique Design Group to study Embedded systems. B.Sc(MECs) final year students are took part in the program. Mr. Chandra Shekar, Technical head explained embedded system development procedures and demonstrated working models. Students also visited their workshop and lab and discussed technical issues with the developers in the firm. Student thoroughly enjoyed their visit.





## Guest Lecture on “Software Development – Industry Perspective”

<b>Date</b>	: 19 <sup>th</sup> September, 2017
<b>Time</b>	: 10:00 – 1:00pm
<b>Target Group</b>	: B.Sc (MPCs/MECs/MSCs) III yr students
<b>Resource Person</b>	: Mr. Krishna Sarma, CEO of HILIP Technologies
<b>Coordinator</b>	: Mrs. T. Esther Ratna
<b>Department</b>	: Computer Science

### Report:

The objective of the seminar was to help students gain knowledge on the concept of System Analysis & Designing from the industry perspective. The resource person explained The Software Development Life Cycle using case study methodology where the inputs and outputs generated in the form of documents in every phase was explained taking a real time project the company developed.

Students interacted with the resource person during the Q&A round at the end of the session. The resource person encouraged students to take up live projects and invited interested students for internship at their organization.



## Guest Lecture on ASP.NET

<b>Venue</b>	:	Ground Floor Lab
<b>Date</b>	:	10 <sup>th</sup> October 2017
<b>Time</b>	:	2:00PM - 4:00PM
<b>Organized by</b>	:	Department of Computer Science
<b>Resource Person</b>	:	Mrs. V. Sailaja, Asst.Prof, Dept. of Computer Science.
<b>Faculty Coordinators</b>	:	Mrs. C. Swathi, Asst.Prof, Dept. of Computer Science.
<b>Target Group</b>	:	III Year UG Students of B.Sc (M.P.Cs/M.E.Cs/M.S.Cs)

### Report:

A Guest lecture was organized for B.Sc final year students on web technologies. The lecture focused on basics of web form controls, validation controls and database connectivity using ASP.Net and ADO.Net which enhanced their practical skills and added to their knowledge base.



## Bathukamma Celebrations

<b>Date</b>	:	22 <sup>nd</sup> September, 2017
<b>Time</b>	:	11:00AM - 11:40AM
<b>Venue</b>	:	Joseph's Campus
<b>Organized by</b>	:	Department of Sciences

### Report:

The Department of Science celebrated the State festival **Bathumma** on 22nd Sept 2017. The event was organized with the target group of BSc I,II & III year girl students.

The Faculty of the College and students enthusiastically participated and played bathukamma. This event signified the importance of or tradition and state culture. The event was coordinated by Mrs.M.Kiran Jyothi, Science coordinator, Ms.S.Vijayalaxmi, Asst Professor, Department of Mathematics and Statistics, and Mrs.Nampally Lakshmi, Asst Professor, Department of Mathematics and Statistics.



The girls dressed up in traditional wear and bought Bathukamma along with fruits and other traditional food items. The event started at 10:50AM in the ground. Rangoli was shaped out by the students which is considered as an important ritual for Bathukamma. The Bathukammas bought by students and faculty were placed on the rangoli along with the prasadam and fruits.



## Computer Literacy Day

<b>Date</b>	:	<b>8<sup>th</sup> December 2017</b>
<b>Venue</b>	:	3 <sup>rd</sup> Floor Lab
<b>Time</b>	:	09:00 AM – 4:00PM
<b>Resource Persons</b>	:	Faculty of Science and Few Student Volunteers
<b>Target Group</b>	:	School Students, UG Students & Non-teaching supporting staff

World Computer Literacy Day which falls each year on December 2nd aims to curb the digital divide that exists in the world today. The Day aims to increase awareness of this 'divide' and increase access to information technology for disadvantaged communities.

Department of Computer Science as a team celebrated this day with a motive of educating people in terms of knowing technology to the basic level. Such a thought made our team to plan for different activities for the day.

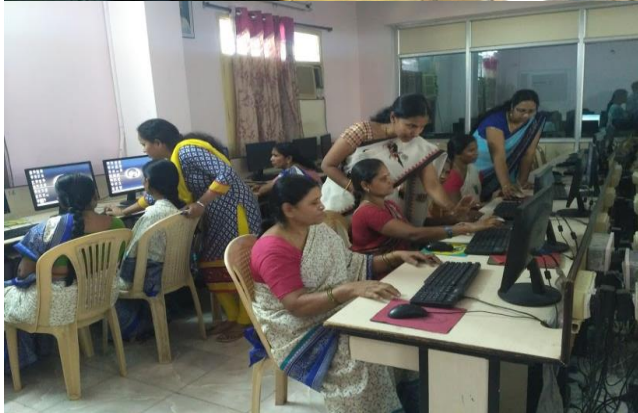
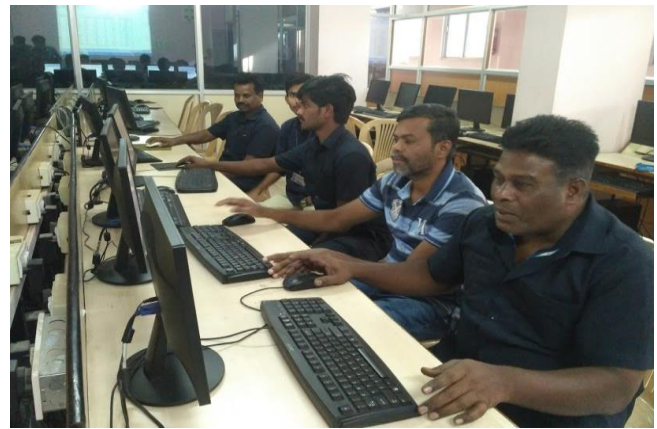
### Activities conducted are:

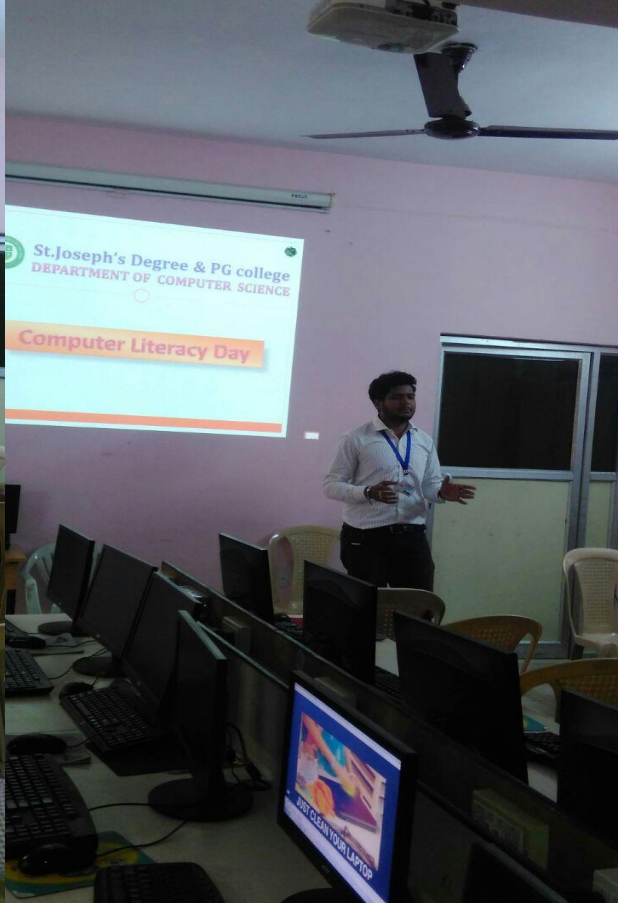
- **9:00AM – 11:30AM** - Mrs. P. Madhuri Paul, Assistant Professor along with 3 Students of B.Sc namely Mr. Abhilash, Mr.Aryan and Mr.Arul has conducted a

session on “Basics of Computers and Cyber crime - activities & awareness” in educating students of Alia Govt. School.

- **11:30AM – 1:10PM** - Mrs Kiran Jyothi – Head organized a JAM Session in the 3<sup>rd</sup> floor lab for all the UG Students on the awareness of Technology and Computer Literacy.
- **2:00PM – 4:00PM** - All the Computer Science Faculty were involved to teach non-teaching supportive staff in educating them to use computers at the basic level. Every staff member one to one assisted and demonstrated the non-teaching staff members in switching on the computer, shutting down the computer, how to clean the computer without causing damage to the system.

### Photographs:









## National Conference on "The Role of Sciences & Technology for Sustainable Development"

### Introducing the Conference:

Department of Sciences Organized a one-day National Conference on “The Role of Science & Technology for Sustainable Development” in collaboration with “The Institute of Electronics & Telecommunications Engineers (IETE)” on 9th February 2018. Our Conference brings together academicians, researchers, scientists, software architects, and industry professionals to get to involve in three different Cross-sectoral areas of sciences – Mathematics & Statistics, Physics & Electronics & Computer Science with innovative and diverse topics on mobilizing capacity building and sharing knowledge for the next generation Information & Technological Sciences.

The Conference developed a true spirit of scientific temperament among the young students and participants in three platforms (Mathematics, Physics & Electronics, Computer Science) pointing to the main areas of necessary research attention, thus making them more substantial for the public. The outcome is truly a remarkable achievement. It is the participants who have made the conference a success.



A fair number of attendees, paper presenters, keynote speakers, participants and students have benefited in many ways from this conference. Altogether 78 papers were presented and published by authors from different places. Invited Keynote Speakers, paper presentation panel members from different Organizations addressed the audience and shared knowledge and rich experience of application of technology in field of Sciences. The management was pleased to host this Conference. We thank all participants for their hard work and commitment and the true spirit of co-operation.

### **About the College:**

St.Joseph's Degree & PG college, an Autonomous College – affiliated to Osmania University was established by Hyderabad Archdiocese Society(HAES) in the year 1997. The College which is marching ahead on the path of excellence under the visionary leadership of our Chairman Most Rev.ThummaBalaD.D Archbishop of Hyderabad and Principal Rev.Fr.Vincent Arokiadas, St.Joseph's Degree & PG college.

The College has a leading name in the field of higher education and has earned several top prestigious ranking by reputed magazines like India Today, The week, CSR etc. The college is Re-accredited by NAAC with 'A' grade for its "Distinctive Education Environment", focusing on developing social and ethical values among the students, while equipping them with right knowledge and skills to meet the dynamics of the global markets.

### **About Science Department:**

Department of Science was established since the inception of the college in 1997 with a vision to strive for excellence in Mathematical Sciences that ignite students for interdisciplinary domains. The Department offers UG Programmes in Mathematical Sciences which are innovatively designed and updated to keep pace with Emerging Global Trends in Academics and Industry. The Department emphasizes on experiential learning through various innovative Programmes which include industrial visits, seminars/workshops/guest lectures, exhibitions, mini projects for the holistic development of the students. St. Joseph's college is consistently ranked among the top 10 Science Colleges in the twin cities of Hyderabad.

### **About the Seminar:**

The last decade has witnessed the emergence of an array of increasingly vibrant movements to harness Science and Technology (S&T) in the quest for a transition toward sustainability. In seeking to help meet this sustainability challenge to shape the society, multiple movements to bind science and technology for sustainable development have cropped up. In this context, our college is organizing a one day National Conference on "The Role of Science & Technology for Sustainable Development" in the areas of Mathematics, Statistics, Computer Science, Physics & Electronics.

### **Objectives of the Seminar:**

- This Seminar offers Researchers, Academia, Industry and Students a platform for proactive expert interaction on insights into emerging trends/challenges/concerns related to the global issues in various fields.
- This seminar would be an enriching experience for all the participants as it aims to gather multiple perspectives of eminent academia and industry on the dynamics of growth, challenges and sustainability for reshaping the global future.

### **Core Committee of the Conference:**

#### **Chairman**

**Rev.Fr.Dr.VincentArokiadas**, Principal  
St. Joseph's Degree & PG College, Hyderabad

#### **Convener**

**Mrs. M. Kiran Jyothi**, Head  
Computer Science

#### **Co-Convenor**

**Mrs. T. Esther Ratna**, Dean – Student Affairs

#### **Conference Secretary**

**Mr. M.L.N. Rao**, Senior Faculty

#### **Organizing Committee**

**Mr. D. Srinivas Reddy**, Senior Faculty  
**Mr. Sravan Kumar**, Senior Faculty

Mr. Ashok, Senior Faculty  
Mrs. P. Madhuri Paul, Assistant Professor  
Ms. S. Vijayalaxmi, Assistant Professor  
Mrs. V. Shailaja, Assistant Professor  
Mrs. Nampally Lakshmi, Assistant Professor

### Details of the Papers received:

- **Total No. of Participants registered** : **132**
- **Total No. of Abstracts received** : **148**
- **Total No. of Full Papers received** : **78**
  - **No of International Papers** : **01 (Saudi Arabia: 1)**
  - **No of National Papers** : **05**
    - Kochin : 01
    - Sehore (UP) : 01
    - Sholapur : 01
    - AP : 02
  - **No. of Papers from Telangana** : **78**
- **Total No. of Papers Presented** : **49**



### Inaugural Session:

- **Chief Guest:**  
**Dr. M. Lakshmi Narayana Rao, Scientist – H,**  
**Associate Director, DLRL (Retd) & Chairman IEEE – Hyderabad.**
- **Guests of Honour:**  
**Prof. Kannan Srinathan, IIIT, Hyderabad**
- **Time: 10:05AM – 11:00AM**

The Inaugural session of the National Conference commenced at 10.00 am in Jubilee Hall amid cheer and applause. Mrs.P. Madhuri Paul, Faculty of Computer Science lead the Inaugural Session as MC of the programme. The Dignitaries were **Dr. M. Lakshmi Narayana Rao**, Chief Guest; **Prof. Kannan Srinathan**, Guests of Honour; Rev.Fr.Dr.Vincent Arokiadas, Principal & Chariman of the Conference; Rev.Fr.Thumma Solomon, Secretary & Correspondent and Prof.P.L.Vishweshwar Rao, Director.

The Inaugural Session began by invoking God’s blessings with a prayer song by the college Choir ‘Anna Domini’. Mrs. M. Kiran briefed the delegates about the History of the College, achievements of the Science Department and objectives of the Conference. The dignitaries were welcomed and invited on to the dais for lighting of the lamp. Our beloved Principal Rev. Fr. Vincent Arokaiadas welcomed the Chief Guest and Guests of Honour and placed on record, the kind of contribution and efforts they have put in to take Science to great heights.

The Chief Guest of the National Conference, Mr. M. Lakshmi Narayana, Scientist – H, DRDL (Retd) & Chairman – IEEE, Hyderabad addressed the gathering by quoting “It’s the Science & Technology that made the living style of human mankind to be easy and comfortable in all means”. Being a part of acknowledging developments in



sciences he said Science is a blessing to human beings.

National Conference Proceeding Book was released by all the dignitaries on the dias. The Inaugural session concluded with Formal vote of thanks proposed by Mrs. T. Esther Ratna, Dean, Student Affairs and Co-Convenor of the Conference followed by felicitation of the dignitaries with shawl and mementos by our beloved Principal and Correspondent.





## Technical Session – I:

- **Resource Person:**  
Prof. Kannan Srinathan, IIT, Hyderabad
- **Topic:** Mathematical & Algorithmic Challenges
- **Time:** 10:35AM – 11:40AM

Prof. Kannan Srinathan began to project his views in Mathematics with Science & Technology Advancements in developing the Systems with algorithmic base that to with mathematics. He explained few examples based on Quantum Algorithm with programming & protocols. He explained about Qubith, which is the super position of 10. and Quantum Mechanics with an example algorithm. He also emphasised the difference between mathematics and computing on the other side he highlighted the difference between physics and algorithm in turn mathematics stands where every in science advancements and developments.

The technical session concluded with vote of thanks proposed by Formal Vote of Thanks, Mr. D. Srinivas Reddy, Senior Faculty in Mathematics followed by felicitation of the Resource Person with shawl and memento by Mrs. M. Kiran Jyothi, HoD & Convener of the Conference.





## Technical Session – II:

➤ **Resource Person:**

**Prof. Vipin Srivasthava, Pro-Vice Chancellor, HCU, Hyderabad**

➤ **Topic: Condensed Matter Physics beyond Textbooks**

➤ **Time: 11:45AM – 1:30PM**

Prof. Vipin Srivasthava highlighted the importance of Quantum Hall Effect and Quantum percolations theory, Neuro science and its implications in the study of brain mapping & functioning, magnetic material properties and physical characterisation, nano scale physical parameters and MOSFET areas. The technical session-2 concluded with formal Vote of Thanks proposed by Mr. Sravan Kumar, Senior Faculty in Physics followed by felicitation of the Resource Person with shawl and memento by Mrs. M. Kiran Jyothi, HoD & Convenor of the Conference.



### Technical Session – III:

- **Resource Person:**  
Dr. T.V. Rajinikanth, Professor in Computer Science & Engineering  
Srinidhi Institute of Science & Technology, Hyderabad
- **Topic:** Bigdata Analytics
- **Time:** 3:40PM – 4:30PM

Dr.T.V.Rajinikanth, is a seasoned scholar and good academician who was awarded as “Best Faculty” by Computer Society of India (CSI) for the academic year 2017-18. He highlighted the importance of Bigdata, components of bigdata, Webdata, E-Commerce. He even gave his insights on Amazon’s data hidden patterns, Data mining techniques and Google’s process. He also emphasised on Data warehousing, Bigdata analytics and role of sustainable development in Computer Science. The technical session-3 concluded with formal Vote of Thanks proposed by Mrs. M. Sunitha, Faculty in Computer Science followed by felicitation of the Resource Person with memento by Mrs. M. Kiran Jyothi, HoD & Convenor of the Conference.



## Paper Presentations – Mathematics & Statistics:

➤ **Panel Members:**

1. Dr. K. Sreeram Reddy, Dept. of Mathematics, Osmania University
2. Mr. Bhasker Reddy, Data Analyst, Tata Consultancy Services

➤ **Venue: Board Room**

➤ **Time: 2:00PM – 4:00PM**

Ms. Vijaya Lakshmi, Faculty in Statistics and Mrs. Pavani Janapaty, Faculty in Mathematics organized the session for Papers Presentations in Mathematics & Statistics domain. There were 7 papers submitted to the conference proceedings from this track, wherein 5 papers were presented by different authors in the session. The major topics presented in this track were Mathematical Sustainability, Sciences in Scriptures, Statistical Analysis and Optimization problems.

Dr. K. Sreeram Reddy given his insights in the session that – “Statistics and Mathematics are highly potential areas for Sustainable Development”. The session concluded with a fruitful discussion on paper presentations in terms of Mathematics & Statistics existence in developing Sciences. Panel members were felicitated by organizers with mementos.



## Paper Presentations – Physics & Electronics:

➤ **Panel Members:**

1. Prof. D. Srinivasu, Dept of Physics, University College for Women, Koti
2. Mr. Chandrasekhar, Industry Representative

➤ **Venue:** Mass Communication Studio

➤ **Time:** 2:00PM – 4:00PM

Mr. M.L.N. Rao, Mr. Ashok and Mr. Sravan Kumar, Faculty in Physics & Electronics organized the session for Papers Presentations in Physics & Electronics domain. There were 20 papers submitted to the conference proceedings from this track, wherein 10 papers were presented by different authors in the session. The major topics presented in this track were Embedded Systems, E-Waste and preparation of glass with different combination of dielectric materials.

Prof. D. Srinivasu insisted the paper presented to work more on research oriented papers. He even suggested the young research scholars to concentrate much on application oriented research as well as the research to be made in depth. As a result of that research should serve the society. The session concluded by panel members giving with few tips on research methodology to all the paper presenters. Panel members were felicitated by organizers with mementos.





## Paper Presentations – Computer Science:

➤ **Resource Person:**

1. **Dr. T.V. Rajinikanth, Professor in CSE,  
Srinidhi Institute of Science & Technology, Hyderabad**
2. **Mrs. T. Beulah Ashwini, Scientist,  
ANURAG, DRDO, Hyderabad**

➤ **Venue: Jubilee Hall**

➤ **Time: 2:00PM – 4:00PM**

Mrs.M. Sunitha, Mrs. V. Shailaja and Mrs.P.Madhuri Paul, Faculty in Computer Science organized the session for Papers Presentations in Computer Science domain. There were 64 papers submitted to the conference proceedings from this track, wherein 15 papers were presented by different authors in the session. The major topics presented in this track were Bigdata analytics, Bitcoin, Data warehousing and meta-modelling, Artificial Intelligence, Data Encryption models, Information security and m-governance.

Dr.T.V.Rajinikanth and Mrs. Beulah Ashwini served as panel members for the computer Science track. Dr.T.V.Rajinikanth advised all the presenters to be more enthusiastic and get updated with current trend of technology aspects. He suggested all the paper presenters - “As beginners in presenting papers do not rush to put lots of contents and presentation to be in proper order”. Mrs. Beulah Ashwini congratulated all paper presenters and suggested to concentrate more on research which would let India to be always top in R&D



## Valedictory Session:

- **Chief Guest:**  
**Dr. G. Lakshmi Narayana, Chairman, IETE, Hyderabad**
- **Guests of Honour:**  
**Prof. G. Prasad, Dept. of Physics, Osmania University, Hyderabad**
- **Time: 4:35PM – 5:40PM**

The Valedictory session of the National Conference started at 4.35PM in Jubilee Hall amidst of dignitaries, delegates, paper presenters, faculty, supporting staff and student volunteers. Ms.Nampally Lakshmi, Faculty in Mathematics lead the Valedictory Session as MC of the programme. The Dignitaries were invited on the dias - Dr. G. Lakshmi Narayana, Chief Guest; Prof.G.Prasad, Guests of Honour; Rev.Fr.Dr.Vincent Arokiadas, Principal & Chariman of the Conference; Prof.P.L.Vishweshwar Rao, Director; Mrs. M. Kiran Jyothi, HoD & Convenor.

The Valedictory Session began by presenting a Rapporteur Report of the Conference by Mrs. M. Kiran Jyothi, Convenor of the Conference. She briefed all the activities done for the day. Our young & dynamic Principal Rev. Fr. Vincent Arokaiadas greeted the Chief Guest and Guests of Honour and congratulated the Department of Science for organizing this National Conference which has been a great success. Mr. S. Srikanth and Mr. R. Ashok Kumar read the profiles of the Chief Guest and Guest of Honour respectively.

The Chief Guest of the Valedictory Session, Mr. G. Lakshmi Narayana, Chairman – IETE, Hyderabad and Guest of Honour, Prof. G. Prasad addressed the gathering. They congratulated the Management and the Department for organizing such a Conference. The dignitaries on the dias released National Conference Proceeding CDs.

Participants and paper presenters were awarded the certificates by the dignitaries. The Valedictory Session concluded with Formal vote of thanks proposed by Mr. M.L.N.Rao, Senior Faculty and Secretary of the Conference followed by felicitation of the dignitaries with shawl and mementos by our beloved Principal and Correspondent. The programme ended up by National Anthem and a Group Photograph.









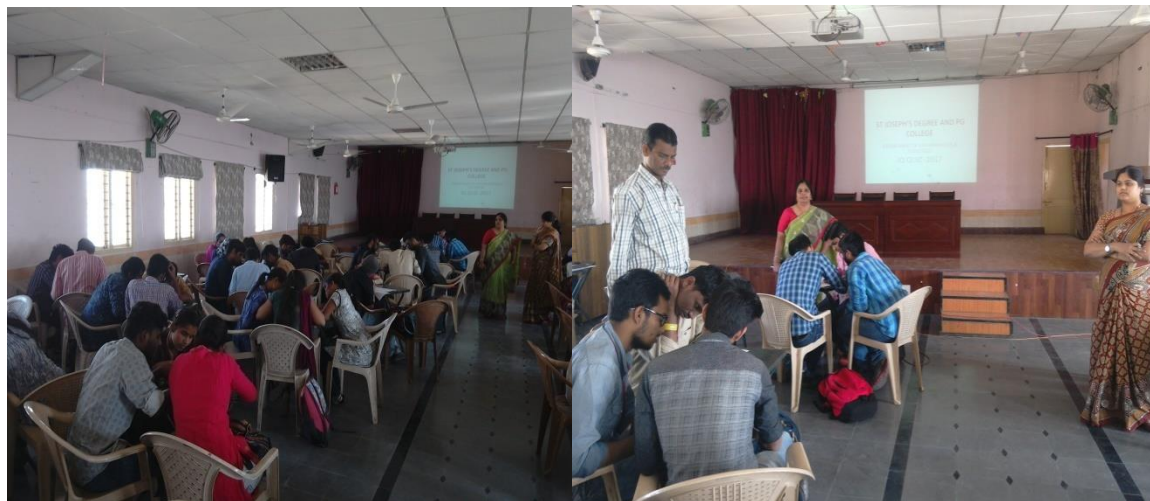
## National Mathematics Day

In India, the day 'December 22 is celebrated as the **National Mathematics Day** on the eve of the birthday of Dr.Srinivasa Ramanujan.It is in recognition of his contribution to the field of Mathematics. The Department of Mathematics & Statistics celebrated this remarkable day for three days, i.e. from 20<sup>th</sup> -22<sup>nd</sup> Dec'2018. As part of celebrations the department conducted IQ-Test, Poster making and Guest Lecture.

### Day-1

#### IQ-Test

IQ Test was conducted for all the students of BSc and BCom of I,II & III years. A total of 80 students participated in the IQ-Test.This competition was conducted in two levels. The first level of the competition was Screening Test, in which the students were given 25 multiple choice questions.The students were divided into different teams, and were given 30 minutes of time to answer the given question paper. The questions included Basic numeracy, sets & logical questions etc. 6 teams were taken to the second level after screening test was done.



The second level of IQ-Test was questions based on Algebra, Logic, Sets, Numeracy, Aptitude etc. The students were very enthusiastic and curious in answering the questions posed to them. Mrs. Kiran Jyothi, Head-Department of Science & Mrs. Nampally Lakshmi, faculty of Mathematics & Statistics were Quiz Masters. Mr. Arvind, a student of BSc-MECs IIIA coordinated for the event along with the faculty of Mathematics & Statistics.



**The Winners of the Quiz competition were**

**First Prize Winners**

1. Abhilash Negi, BSc MSCS-III
2. Annishkar Joseph, BSc MSCS-III
3. Aslam khan, BSc MSCS-III

**Second Prize Winners**

1. B. Chetan, BSc MSCS-III
2. Abhishek Singh, BSc MPCs-III
3. Atul Kumar Singh, BSc MECS-III

**Third Prize Winners**

1. Keerthana, BSc MPCs-I
2. Nikhil, BSc MSCs-I

## Day-2

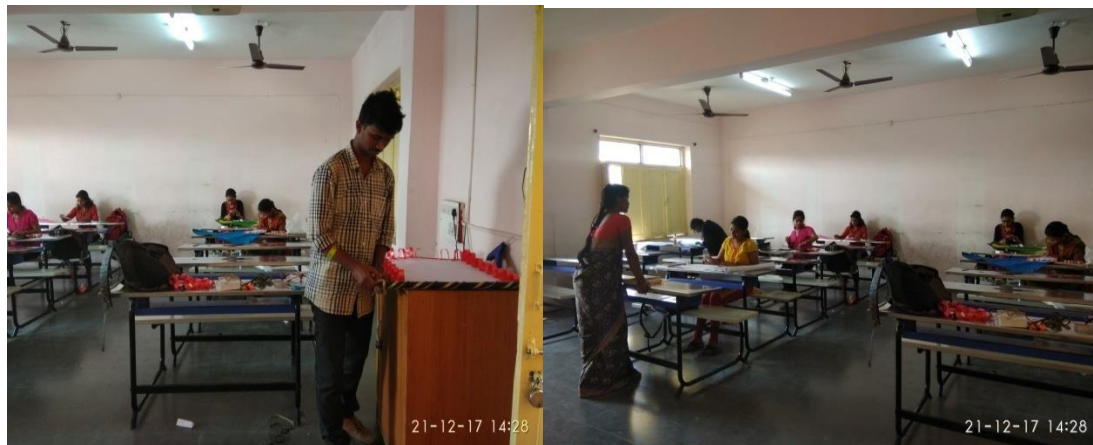
### Collage Making

A Collage competition was conducted by the Department of Mathematics & Statistics as part of National Mathematics Day celebrations. The students were asked to make collage on the contributions of Srinivasa Ramanujan, his life history etc.

A total number of 7 students participated in Collage making competition.

### Winner:

- B.Chetan, BSc- MSCs III year won the competition.



## Day-3

### Guest Lecture

A Guest Lecture was conducted to the BSc I,II & III year students. The Resource person was Prof.Rajat Tandon, Hyderabad Central University. Professor's lecture was on Number Theory. The programme began with a welcome note by Mr.D.Srinivas Reddy, the Course Co-ordinator of Mathematics & Statistics. Mrs.Kiran Jyothi, Head-Department of Science expressed her gratitude to the guest and the department for conducting such important events.

Professor delivered his lecture on importance of Mathematics & its real life applications. He focussed on Algebra and contributions of Srinivasa Ramanujan to the field of Mathematics.





**Mr. D. Srinivas Reddy, Course Co-ordinator expressing deep sense of gratitude to Prof. Rajat Tandon:**



**Prof. Rajat Tandon distributing appreciation certificates and mementos to the winners:**





**Mrs. Kiran Jyothi & Mr.D.Srinivas Reddy felicitating Professor Rajat Tandon:**



**Mrs.Nampally Lakshmi proposing formal Vote of Thanks:**



**End of the Programme: Guest Prof.Rajat Tandon, faculty and students pronouncing National Anthem:**



## National Science Day

**Date:** 28-02-2018

National **Science Day** is **celebrated** in India on 28 February each year to mark the discovery of the Raman effect by Indian physicist Sir Chandrashekhara Venkata Raman on 28 February 1928.

### **Objectives of Celebrating National Science Day**

Department of Physics & Electronics of St. Joseph's Degree & PG College celebrates National Science Day every year to spread a message about the Importance of science & technology among students.

The Department of Physics & Electronics conducted following events on the occasion of the National Science Day.

1. Guest Lecture
2. Poster Presentation.
3. Lab Open Day (Display of Physics & Electronics Projects)

## Guest Lecture:

<b>Date &amp; Time</b>	:	28 <sup>th</sup> February, 2018, 9:30 A.M - 10:45 A.M
<b>Venue</b>	:	Jubilee Hall
<b>Resource Person</b>	:	Prof. M. Laxmipathi Rao (Retd), Osmania University
<b>Target Group</b>	:	B.Sc (MPCs) – I, II, III Years
<b>Coordinators</b>	:	Mr. R. Ashok Kumar

To inculcate scientific temperament in students, Department of Physics & Electronics organized a seminar on “Science and its importance” by Prof. Laxmipathi Rao, (Retd), Department of Physics, Osmania University, Hyderabad. Program started with the lighting of the lamp. Rev. Fr. Tumma Solomon Correspondent, Prof. P. L. Vishveshwar Rao Director and Mrs. Kiran Jyothi Hod of Faculty of Science are graced the occasion. Prof. M. Laxmipathi Rao spoke about the National Science Day and importance of Science in our daily life and session concluded with the question and answers.







**Lab Open day – Major and Minor Project Display:** Department of Physics & Electronics observed Lab open day on 28-02-2018. On this occasion department displayed major and mini projects done by Electronics and Physics students and invited St. Phillips School, king koti, Hyd. School students got an opportunity to see behind-the-books with these projects through viewing and sharing.

The main motive of lab open day is for students to answer a question or task, not from a textbook but found out themselves by conducting a range of experiments and ongoing research in the short amount of time allocated to them. In order that the questions or tasks spark a true interest in the student they should be able to have an interesting, eye catching projects.





**Poster Presentation:** The Department organized Poster Presentation Competition on the occasion of National Science Day for the students of the College. Senior faculty Mr. M. Sravan Kumar and Mr. R. Ashok Kumar were in-charges for this competition. Aravind Raj, Mokshith Chary, Haritha Dadu, Shreya, Sahil, Deepak, Sumiran & Anusha were the student co-coordinators for the competition. More than 120 posters were received from students and the same were displayed in the College.

The winner of the competition is:

1. M. Sai Sumanth B.Sc (MECs) I Year - I Prize

**Model Making:** Students of B.Sc made a model of a satellite and released in to the sky with the help of helium balloons as part of the Science Day Celebrations.





### **Workshop on “Robotics”**

Department of Computer Science Conducted a Workshop on Robotics on the occasion of National Science Day.

<b>Date &amp; Time</b>	: 28 <sup>th</sup> February, 2018, 11:00 A.M - 1:00 P.M
<b>Venue</b>	: Jubilee Hall
<b>Resource Person</b>	: Mr. Sarvajeet Jaiswal
<b>Target Group</b>	: B.Sc, B.Com (IT), B.Com (Comp), BBA –I, II, III Years
<b>Coordinators</b>	:MrsM.Sunitha, Mr M. Laxmi Narsimha Rao

On the occasion of National Science Day, Department of Computer Science organized a workshop on “Robotics” for B.Sc, B.Com, and BBA Students. Nearly 60 Students participated in this workshop. The basic introduction of robotics along with the information about Sophia- A humanoid robot was given by MrsSunitha. M. Laxmi Narsimha Rao continued the session with model description of Raspberry Pi – A fully featured micro-computer squashed onto circuit board. Mr Sarvajeet Jaiswal took the session on “How to convert an ordinary device into Smart device” with the demonstration of Raspberry Pi model to convert a non-smart TV into Smart TV. Students expressed their views extraordinarily and were involved in projecting their ideas about

the topic. The students who participated in the session were distributed with participation certificates.



Department of Mathematics & Statistics conducted outreach program.

### Knowledge Sharing:

To promote the communication skills, self confidence among the students and to groom the potentials of the students, they are encouraged to share their knowledge. As a part of this activity The Department of Mathematics & Statistics students of second B. Sc (MSCs) shared their knowledge with the students of ALLEN English Medium High School at Ramkoti, Hyderabad. The students taught the subjects of mathematics & statistics for 7<sup>th</sup>, 8<sup>th</sup> and 9<sup>th</sup> standard students on 28<sup>th</sup> February 2018.

S. No	Student Name	Class	Topic	Taught Class
1	Bharath Kumar	B.Sc (MSCs)- II year	Real Numbers	9 <sup>th</sup> Class
2	Jastina	B.Sc (MSCs)- II year	Statistics Graphs	8 <sup>th</sup> Class
3	Sanjana	B.Sc (MSCs)- II year	Geometry	7 <sup>th</sup> Class
4	Hyder Ali	B.Sc (MSCs)- II year	Set Theory	8 <sup>th</sup> Class



## Extension Activities (NSS, JSR, YRC, ED, Women Empowerment)

S.No	Event	Date & Place	Course	Collaborators
1	JSR Activities	17 <sup>th</sup> Feb 2018 Moulali	B.Sc – I Year  <b>Class In-charges:</b> Mr. Sravan Kumar Mrs. PavaniJanapati Mr. M.L.N. Rao Mrs. Sunitha	Mega Medical Camp at Moulali  Conducted in collaboration with: RamanujanSeva Trust, Maxcure Hospital, Dr. A.K. Chari Hospitals, Lions Club Eye Camp
2	JSR Activities	17 <sup>th</sup> Feb 2018 Lingampally	B.Sc – II Year  <b>Class In-charges:</b> Mr. Srikanth Mrs. Madhuri Paul Mr. Ashok Kumar	1. New Life Foundation, Lingampally 2. Sankalp, Chandanagar
3	JSR Activities	17 <sup>th</sup> Feb 2018 Hayathnagar	B.Sc(MSCs) – III Year  <b>Class In-charges:</b> Ms. Vijayalaxmi	Care Warrior Foundation, Hayathnagar
4	JSR Activities	17 <sup>th</sup> Feb 2018 Vanasthalipuram	B.Sc (MPCS & MECs) – III Year  <b>Class In-charges:</b> Mr. Srinivas Reddy Mrs. Shailaja	Gracious Foundation, Vanasthalipuram
5	NSS Activities	<ul style="list-style-type: none"> <li>21<sup>st</sup> June 2017 International Yoga Day</li> <li>11<sup>th</sup> Aug 2018 NSS Orientation Day</li> </ul>	B.Sc (MPCs/MECs/MSCs) – I, II & III Year Student Volunteers	Mrs. AparnaRajhans Mr. Sridhar Reddy

		<ul style="list-style-type: none"> <li>• 21<sup>st</sup> – 23<sup>rd</sup> Aug 2017 Free Left Awareness Campaign</li> <li>• 13<sup>th</sup> Oct 2017 Clean Your Campus Drive</li> <li>• 2<sup>nd</sup> Indian Police Martyr's Memorial Run</li> </ul>		
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**Date:** 17<sup>th</sup> February -2018, Saturday

**Department:** Department of Science

**Faculty In-Charges** : M.Sravan Kumar, MLN Rao, J.Pavani, M.Sunitha  
**Class/Group** : B. Sc (MPCs/MSCs/MECs)  
**Strength** : 102  
**Place of Visit** : Ramanuja Seva Trust, Moulali  
**Student's contribution** : Rs. 14750/-  
**Program Details** : Mega Health Camp, Seminar on 'health & hygiene' awareness for teenage girls& contribution of O2 Swing machines for supporting the poor to empower

**A Brief Report about program and Activities carried:**

- The Mega Medical Camp organized with support of volunteers from St. Joseph College faculty and students and faculties, formed and guided by Principal Rev.Fr.Dr.Vincent Arokiadas and Programme Co ordinator M.Sravan Kumar, in association with Max Cure Hospitals, Dr.A.K.Chary Hospitals, Lion's Club Eye and Ramanuja Seva Trust has uprooted so many myths among the people residing in our nearby locality.
- JOSEPHITES from St. Joseph College walked into each and every lane in the locality around Ramanuja Mandiram area, and got a glimpse of the current hygiene condition of the people, and advised easy techniques for healthy living and maintaining hygienic surroundings.
- The poor people around 800 attended the camp and got their free medical checkup of **Eyes, Heart, Diabetes and Cancer**. The women were advised on menstrual health and hygiene and safe way to pass through their menstrual cycle by Lions club NGO organization.
- Prof Dr.Laxmana Chakravarthi. Spoke about the importance of such an event and enlightened all of us on how Bhagavat Ramanujacharyulu struggled to educate the society on equality, and the divine ways in which he used to influence everyone to share with everyone their knowledge, available resources, and treat all with humanity and generosity.
- All are equal in the eyes of our Lord Sri Goda Ranganatha Swamy, and Bhagavat Ramanujacharyulu lived up to this principle throughout his life.
- **MLA Sriman NVSS Prabhakar UPPAL** took the time out from his very tight schedule yesterday and spent ample time with us and addressed the crowd.

- He encouraged JOSEPHITES from St. Joseph College for taking up such a noble cause and supporting each other, with no bar on religion, caste or creed.
- He is highly impressed with the concept of providing professional training to the needy people for stitching clothes and usage of sewing machines. He specially appreciated us for taking the right measures to ensure that our services are reaching the genuinely needy people.
- Our Ramanuja Seva Trust has received donations of 10 sewing machines, out of which 02 sewing machines were donated by the B.Sc first year students of St. Joseph Degree and PG College (Autonomous). Especially focusing on the upliftment of the poor and needy, and the women.
- Fruits and Biscuits distributed to all peoples who used facilities in camp.
- Our Lord Sri Goda Ranganatha Swamy blessings have been bringing us in contact with only the best in class teams who are dedicated to community service.
- Josephite's AND Staff felicitated MLA, Ramanuja seva trust director Dr. Dhanunjaya & team of DOCTORS in Max cure hospitals, Lions club,

### Feedback:

#### 1. Josephite's:

- Students found the social responsibility is one of the essential part of the life
- Students felt happy and shown thankfulness to the principal for giving the opportunity.

#### 2. At Venue group:

My extreme gratitude to the St. Joseph College faculty and students and MaxCure Hospitals for taking charge to eradicate unawareness and spread awareness about importance of staying healthy and keeping surroundings clean in a hygienic way. Looking forward for more and more of such Mega Medical camps at our Ramanuja Mandiram and slowly become the trusted partner for the poor in our locality and spread the good word across the city very soon. Blessings from our Lord Sri Goda Ranganatha Swamy varu and Abhaya Aanjaneya Swamy varu. Dr. Dhanunjaya.

#### 3. Faculty : Well planned and Well organized programmed.





మహిళలకు కుట్టుమిషన్లు పంపిణీ చేస్తున్న ఎమ్మెల్యే

### రామానుజ్ ట్రస్ట్ సేవలు అభినందనీయం

ఎన్.రావునగర్, ఫిబ్రవరి 17 (ఆంధ్రజ్యోతి): శ్రీ రామానుజ సేవా ట్రస్ట్ ఆధ్వర్యంలో శనివారం అశోకనగర్లో ఉచిత మెగా వైద్య శిబిరం నిర్వహించారు. మ్యాక్స్ క్యూర్ ఆన్సెట్రి, సెయింట్ జోసెఫ్ కళాశాల సహకారంతో నిర్వహించిన ఈ వైద్య శిబిరాన్ని ఎమ్మెల్యే ఎన్.ఎన్.ఎస్.ఎస్. ప్రభాకర్ ప్రారంభించారు. ఈ సందర్భంగా ఆయన మాట్లాడుతూ ఉచిత వైద్య శిబిరాలు నిరుపేదలకు వరం లాంటివని, ఇలాంటి సేవా కార్యక్రమాలు నిర్వహిస్తున్న రామానుజ సేవా ట్రస్టును ఆయన అభినందించారు. వందలాది మంది పేదలకు కంటి, గుండె, డయాబెటిక్, ఎముకలు ఇతర సాధారణ పరీక్షలు నిర్వహించి అవసరమైన వారికి ఉచితంగా మందులను పంపిణీ చేశారు. అనంతరం సెయింట్ జోసెఫ్ కళాశాల విద్యార్థులు అశోకనగర్ బస్టీలో ఆలోగ్య పరిరక్షణపై అవగాహన ర్యాలీ నిర్వహించారు. ఈ సందర్భంగా రామానుజ సేవా ట్రస్ట్ ఆధ్వర్యంలో పది మంది నిరుపేద మహిళలకు ఎమ్మెల్యే చేతుల మీదుగా కుట్టుమిషన్లు అందజేశారు. కార్యక్రమంలో ట్రస్ట్ అధ్యక్షుడు డాక్టర్ దనుంజయ, డాక్టర్ ఎన్.పీ. నాయుడు, డాక్టర్ మోహన్, అర్జన, హరిణి, సునీత, శ్రీధర్ తదితర వైద్య బృందం పాల్గొన్నారు.





**In charge coordinators :**

- Mr. S. Srikanth – B.Sc (MPCs) – II Year – IV Semester
- Mrs. P. Madhuri Paul –B.Sc (MSCs) – II Year – IV Semester
- Mr. Ashok Kumar –B.Sc(MECs) – II Year – IV Semester

**Class/Group :** MPCs/MECs/MSCs

**Strength :** 90

**Place of Visit :**

1. New Life Foundation, Lingampally
2. Sankalp, Chandanagar

**Student's Contribution (In terms of money /material/other):**

- Total amount collected : Rs. 18,000
- Amount spent on Food & Snacks  
Cool drinks, fruits, sweets, : Rs. 7500  
disposable glasses and paper plates
- Needs for the Orphan Children provided are  
Books, Stationary Items, Sports items,  
Chocolates, Biscuits, bags, toiletries and clothes : Rs. 10,500

**A Brief report about program and Activities carried:**

Department of Science organized a One Day Visit to **New Life Foundation** at Lingampally and **Sankalp** at Chandanagar, Hyderabad for B.Sc (MPCs/MECs/MSCs) under JSR Activity on 17<sup>th</sup> Feb 2018. Students entertained the children with games, songs and dances and also played cricket, volley ball, football and other games. Mr.S.Srikanth, Mr. Ashok Kumar and Mrs. P. Madhuri Paul accompanied and coordinated the program.

**Outcome feedback:**

**1. Josephite's:**

- “I felt happy while interacting with orphans and I came to know the value of life in seeing their life style” – says Janaki (MSCs)
- “JSR activity helps people to change their mindset towards society and makes them to understand others in need. Not a single person can bring a change but JSR proves that a group of people can bring a major change” – says Hari Haran (MECs)

- “Joseph’s Social Responsibility is a great step towards developing our society. I feel it helps in changing the way the people think and also makes them understand that every person in this society is equal” – says Sahil Rai (MPCs)

## 2. At Venue group:

Organizers at New Life Foundation and Sankalp are overwhelmed by the way our students treated the orphans and trying to get involved in their everyday life style. They felt grateful about the needs that are provided by our students and the delicious lunch and snacks offered to them.

## 3. Faculty:

Programme was well planned and organized by students. Students show cased their responsibility towards society and their emotional support towards the orphans in understanding their needs and their life.



**In charge coordinators** : Ms. S. Vijayalaxmi  
**Class/Group** : B. Sc [MSCs]-IIIB  
**Strength** : 24  
**Place of visit** : Care Warriors Foundation, Sri Sai Homes,  
Turka Yamjal, Sagar Road,  
Hayathnagar Mandal, Hyderabad.

**Faculty in charges** : Ms. S. Vijayalaxmi

**Student's contribution (In terms of money /material/other):** Food offered Stationary, Sports equipment's, etc.

**A Brief report about program and Activities carried:**

- Students conducted games to the children and stationary is given as a token of gifts.
- Students interacted with the children and provided lunch to the children in the afternoon.

**Outcome feedback:**

1. **Josephite's:** Students are very happy to contribute their time with the children as a part of social responsibility
2. **At venue group:** The children were very happy to meet our students, they participated in all the activities very enthusiastically and they are requesting us to visit again.



<b>In charge coordinators</b>	:	Mr D Srinivas Reddy -- B. Sc III Year [MPCs] Mrs V Shailaja -- B. Sc III Year [MECs]
<b>Class/Group</b>	:	B. Sc [MPCs/MECs]
<b>Strength</b>	:	40
<b>Place of visit</b>	:	<b>Gracious Foundation</b>
<b>Faculty in charges</b>	:	Mr D Srinivas Reddy&Mrs V Shailaja
<b>Total amount Contributed</b>	:	Rs 5000

### **A Brief report about program and Activities carried:**

The JSR was organized on 17th Feb'2018. The Students of BSc final year participated actively with interest. The students conducted indoor activities like musical chairs, singing, dancing, running competitions and distributed gifts likesoups, soup boxes, tooth brush, pens, pencils, notebooks to the participants. Snacks and Lunch with variety of items were provided to children and also provided eggs and bananas.

### **Outcome feedback:**

- 1. Josephite's:** Students was involved in the JSR activity and they were attached with students and joyfully enjoyed with the students. The Josephite's felt emotionally happy
- 2. At venue group:** Gracious orphanage children and faculty responded cordially and gave a positive feedback that the day was memorable and asked to conduct such type of events in regular basis. The students at orphanage felt very happy and they participated in all the events with our josephites.
- 3. Faculty:** Joseph's family believe that social responsibility is a duty that every individual has to perform so as to maintain the balance between the economy and ecosystems. The Programme was Well organized and executed perfectly with the help of students.





## Placement Report

The Training & Placement Cell of St. Joseph's Degree & PG College has grown by leaps and bounds under the able leadership of the Principal Rev.Fr.Vincent Arokiadas with Dr. Nagunuri Srinivas as the Placement Officer. The Placement cell works in coordination with various department placement coordinators and Pre-Placement Training Programmes conducted regularly at SJC and the Placement Officer also responsible for developing and maintaining the Corporate Relationships.

The Institute conducts rigorous Pre-Placement Training Programmes for the under graduate students to make them Industry-ready throughout the academic year. In the academic year (2017 – 18) the Institute has tied-up with Globarena Technologies Pvt. Ltd., Hyderabad to improve the students' communication & soft skills and train the students in Aptitude, Critical Reasoning, skills.

### Placement Committee:

- Chairman - Rev.Fr.Vincent Arokiadas
- Placement Officer - Dr. Nagunuri Srinivas
- Department Level Placement Coordinator (Science) - Mr. M. L. N. Rao

### **Pre placement Activities:**

Placement cell of Science department has conducted pre-placement talk on 6<sup>th</sup> July 2017, by Dr. N. Srinivas, Placement Officer and Mr.M.L.N. Rao Placement Coordinator of Science for all groups of B.Sc final year students. Placement officer spoke about the opportunities for Science students and explained placement guide lines. Mr. M. L. N. Rao spoke about the registrations and online registrations for placement.



### **Group Discussion:**

Placement cell of Science has conducted group discussion for registered students on 25<sup>th</sup> July 2017 from 2 pm onwards in the Electronics Lab. All the students were divided into group of 5 and given topic with duration of 2 minutes for each student. Mr. Karthik from English department judged the students, and gave some valuable tips.



### **CRT Programme:**

The central idea of the Campus Recruitment Training (CRT) program is to help the participants to develop on Arithmetic and Logical Skills. The modules covered in the training program are designed to meet the recruitment patterns of most of the companies. The training program boosts the confidence levels of the participants in attending any type of corporate recruitment / competitive exams. The CRT program was conducted from 8<sup>th</sup> Aug 2017 to 12<sup>th</sup> Aug 2017 for 5 days for B.Sc students.

**Total Number of Student Registered** : 48  
**Date** : 08-08-2017 to 12-08-2017 (total of 5 days)  
**Timings** : Session-1: 9.00 am to 11.00 am  
 Session-2 11.30 am to 1.00 pm  
 Session-3 1.30 pm to 4.00 pm

S. No	Name of the Topic
1	Percentages, Profit and Loss
2	Time & Work, Pipe & Cisterns
3	Time & Distance, Trains, Boats & Streams
4	Number System, Divisibility, HCM & LCM, Ages & Averages
5	Ratio & Proportion, Simple and Compound Interest, Partnership
6	Permutation and Combinations, Probability
7	Puzzles, Coding & Decoding, Directions & Blood relations
8	Analogy & Classification, Number series, Alphabet problems
9	Data sufficiency & Data Interpretation
10	Cubes & Venn diagrams

#### Selected Students List 2017-18

S. No	Name of the student	Name of the company visited	CTC
1	Maneesh Jha	Amazon	2.3 lakh per annum
2	Amit Srivastava	Amazon	2.3 lakh per annum
3	Zameeruddin	ConcetriX	1.8 lakh per annum
4	Prem Pranay	ConcetriX	1.8 lakh per annum
5	Aravind Raj Y	ConcetriX	1.8 lakh per annum
6	S. S. Chaithanya	ConcetriX	1.8 lakh per annum
7	Suraj kumar	Suderland Gloabal	1.8 lakh per annum
8	S. S. Chaithanya	Suderland Gloabal	1.8 lakh per annum
9	Prem Pranay	Suderland Gloabal	1.8 lakh per annum
10	Kyathi Dawda	Suderland Gloabal	1.8 lakh per annum
11	Jasvinder Kaur	Suderland Gloabal	1.8 lakh per annum
12	Maheshwari	Suderland Gloabal	1.8 lakh per annum

## Result Analysis

Result Analysis Report of a class shows the innovation, progression and success factors of a teacher. B.Sc students have performed tremendously well this year when compared to past years. Advanced approaches in teaching methodologies and the level of understanding and grasping subject are in progression. The following table gives a consolidated view of the B.Sc Results.

S.No	Course / Year / Semester	No of Students Appeared	No of Students Passed	Pass %	No of Students Failed	Fail %	No of Students Detained	Detained %
1	B.Sc (MPCs) - I Year - II Sem	46	19	41.3	26	56.62	1	3.85
2	B.Sc (MECs) - I Year - II Sem	47	18	38.3	29	61.7	0	0
3	B.Sc (MSCs) - I Year - II Sem	40	31	77.5	9	22.5	1	3.45
4	B.Sc (MPCs) - II Year - IV Sem	26	13	50	12	46.15	1	3.85
5	B.Sc (MECs) - II Year - IV Sem	30	17	56.67	13	43.33	0	0
6	B.Sc (MSCs) - II Year - IV Sem	29	24	82.76	4	13.79	1	3.45
7	B.Sc (MPCs) - III Year - VI Sem	27	26	96.29	1	3.7	0	0
8	B.Sc (MECs) - III Year - VI Sem	36	27	75	9	25	0	0
9	B.Sc (MSCs) - III Year - VI Sem	38	32	84.21	6	15.78	0	0
10	B.Sc (NHAEM) - III Year - VI Sem	11	8	72.72	3	27.27	0	0

### Odd Semester & Even Semester Result Analysis

## Academic performance/ Prizes won

### Student's Achievements (Sports, Cultural, Fests, Research, Any other)

S.No	Name of the Student	Event at	Organized by	Awarded	For What
<b>Sports Achievements</b>					
1	Koushik B.Sc – MSCs – I Year	St. Joseph's College Inter-Class sports and gamesmen and women activities like Basketball, Volleyball, Table-Tennis, Chess, Carroms and Cricket	Department of Physical Education SJC	II Place Memento + Certificate	100Mts Inter College Athletics
2	Koushik B.Sc – MSCs – I Year	St. Joseph's College Inter-Class sports and gamesmen and women activities like Basketball, Volleyball, Table-Tennis, Chess, Carroms	Department of Physical Education SJC	II Place Memento + Certificate	200Mts Inter College Athletics



		and Cricket			
3	Hankesh Reddy B.Sc – MSCs - IB	St. Joseph’s College  Inter-Class sports and games men and women activities like Basketball, Volleyball, Table- Tennis, Chess, Carroms and Cricket	Department of Physical Education SJC	I Place Memento + Certificate	400Mts Inter College Athletics
4	Hankesh Reddy B.Sc – MSCs - IB	Reliance Youth Foundation Athletics 2017 State Level Competitions 4th to 6th December, 2017	St. Joseph’s Degree and PG College	Gold Medal Gold Medal Memento + Cert	4x100m Relay 4x400m Relay
5	Koushik BSC/MSCs/I Yr	Reliance Youth Foundation Athletics 2017 State Level Competitions 4th to 6th December, 2017	St. Joseph’s Degree and PG College	Gold Medal Gold Medal Silver Medal Memento + Cert	4x100m Relay 4x400m Relay High Jump
6	Mahendar Bsc/MSCs/III Yr	Reliance Youth Foundation Athletics 2017 State Level Competitions 4th to 6th December, 2017	St. Joseph’s Degree and PG College	Gold Medal Gold Medal Memento + Certificate	4x100m Relay 4x400m Relay
7	Hankesh Reddy B.Sc – MSCs – I year	NATIONAL LEVEL Reliance youth foundation sports at Mumbai in the month of January, 2018 Dt.24th to 27th January, 2018	NATIONAL LEVEL Reliance youth foundation sports at Mumbai	Bronze Medal Memento + Certificate	4x400m Relay
8	Koushik B.Sc – MSCs – I Year	NATIONAL LEVEL Reliance youth foundation sports at Mumbai in the month of January, 2018 Dt.24th to 27th January, 2018	NATIONAL LEVEL Reliance youth foundation sports at Mumbai	Bronze Medal Memento + Certificate	4x400m Relay
9	Mahendar B.Sc – MECs – III Year	NATIONAL LEVEL Reliance youth foundation sports at Mumbai in the month of January, 2018 Dt.24th to 27th January, 2018	NATIONAL LEVEL Reliance youth foundation sports at Mumbai	Bronze Medal Memento + Certificate	4x400m Relay
10	K. Arvind B.Sc – MSCs – III Year	1st National Sport Kickboxing Championship 2018 at Rajiv Gandhi Sport Complex, Dharavi, Mumbai, Maharashtra from 6 to 7 January, 2018 in FULL CONTACT event, in 60- 63 Kg.	Rajiv Gandhi Sport Complex, Dharavi, Mumbai, Maharashtra	BRONZE MEDAL	Weight Senior Category 60-63 kgs

11	K. Arvind B.Sc – MSCs – III Year	10th GFI National Grappling Championship-2017 held at Chattarsal Stadium, New Delhi on 21 to 23 July, 2017 as Athlete, Weight 60kg.	Chattarsal Stadium, New Delhi	Mememto - Certificate	Grappling - Athlete, Weight 60kg
12	K.Hankesh Reddy MSCs IB	St.Joseph’s College has participated in <b>Inter College Tournament for men and women</b> on 3 <sup>rd</sup> of October,2017	Organized by <b>Osmania University</b>		Atheletic
13	Koushik MSCs IB	St. Joseph’s College has participated in <b>Inter College Tournament for men and women</b> on 3 <sup>rd</sup> of October,2017	Organized by <b>Osmania University</b>		Atheletic
14	Suraj MECs IIIA	St. Joseph’s College has participated in <b>Inter College Tournament for men and women</b> on 3 <sup>rd</sup> of October,2017	Organized by <b>Osmania University</b>		Body Building Compilation
15	Uday MECs IIIA	St.Joseph’s College has participated in <b>Inter College Tournament for men and women</b> on 3 <sup>rd</sup> of October,2017	Organized by <b>Osmania University</b>		Body Building Compilation
16	Vinay Kumar MECs IIIA	St.Joseph’s College has participated in <b>Inter College Tournament for men and women</b> on 3 <sup>rd</sup> of October,2017	Organized by <b>Osmania University</b>		Volley Ball
17	Deepak MECs IIIA	St.Joseph’s College has participated in <b>Inter College Tournament for men and women</b> on 3 <sup>rd</sup> of October,2017	Organized by <b>Osmania University</b>		Volley Ball
18	Md. Aslam Khan MSCs - IIIB	Participated in Telangana Premiere League	Organized by <b>Telangana State</b>	Playing	Cricket

### Student Research

1	Aryan Singh MSCs IB	St. Joseph’s Degree College has participated in <b>Academy Lecture Series “Frontier of Sciences”</b> on 29 <sup>th</sup> and 30 <sup>th</sup> of August 2017	Organized by <b>Aurora’s Degree and P.G College.</b>	Participation Certificate	Participated
2	Arul Mariam MSCs IB	St. Joseph’s Degree College has participated in <b>Academy Lecture Series “Frontier of Sciences”</b> on 29 <sup>th</sup> and 30 <sup>th</sup> of August 2017	Organized by <b>Aurora’s Degree and P.G College.</b>	Participation Certificate	Participated
3	Aishwarya MSCs IB	St. Joseph’s Degree College has participated in <b>Academy Lecture Series “Frontier of Sciences”</b> on 29 <sup>th</sup> and 30 <sup>th</sup> of	Organized by <b>Aurora’s Degree and P.G College.</b>	Participation Certificate	Participated

		August 2017			
4	Nainika MPCs IA	St. Joseph's Degree College has participated in <b>Academy Lecture Series "Frontier of Sciences"</b> on 29 <sup>th</sup> and 30 <sup>th</sup> of August 2017	Organized by <b>Aurora's Degree and P.G College.</b>	Participation Certificate	Participated
5	Arvind Raj MECs IIIA	St. Joseph's Degree College has participated in <b>Academy Lecture Series "Frontier of Sciences"</b> on 29 <sup>th</sup> and 30 <sup>th</sup> of August 2017	Organized by <b>Aurora's Degree and P.G College.</b>	Participation Certificate	Participated
6	Arpith MECs IIIA	St. Joseph's Degree College has participated in <b>Academy Lecture Series "Frontier of Sciences"</b> on 29 <sup>th</sup> and 30 <sup>th</sup> of August 2017	Organized by <b>Aurora's Degree and P.G College.</b>	Participation Certificate	Participated
7	Sri Krishna MECs IIIA	St. Joseph's Degree College has participated in <b>Academy Lecture Series "Frontier of Sciences"</b> on 29 <sup>th</sup> and 30 <sup>th</sup> of August 2017	Organized by <b>Aurora's Degree and P.G College.</b>	Participation Certificate	Participated
9	Jasvinder Kaur MPCs IIIA	St. Joseph's Degree College has participated in <b>Academy Lecture Series "Frontier of Sciences"</b> on 29 <sup>th</sup> and 30 <sup>th</sup> of August 2017	Organized by <b>Aurora's Degree and P.G College.</b>	Participation Certificate	Participated
8	Harendra Kumar MPCs IIIA	St. Joseph's Degree College has participated in <b>Academy Lecture Series "Frontier of Sciences"</b> on 29 <sup>th</sup> and 30 <sup>th</sup> of August 2017	Organized by <b>Aurora's Degree and P.G College.</b>	Participation Certificate	Participated
9	Atulkumar MPCs IIIA	St. Joseph's Degree College has participated in <b>Academy Lecture Series "Frontier of Sciences"</b> on 29 <sup>th</sup> and 30 <sup>th</sup> of August 2017	Organized by <b>Aurora's Degree and P.G College.</b>	Participation Certificate	Participated
10	K.Shiva Kumar MSCs IIIB	St. Joseph's College has participated in " <b>Drug Awareness Programme</b> "	Organized by <b>St. Joseph's Degree and P.G College</b> in collaboration with Telagana State Board		Participated
11	K.Arvind MSCs IIIB	St. Joseph's College has participated in " <b>Drug Awareness Programme</b> "	Organized by <b>St. Joseph's Degree and P.G College</b> in collaboration with Telagana State Board		Participated

12	Md. Irfan MSCs IIIB	St. Joseph's College has participated in " <b>Drug Awareness Programme</b> "	Organized by <b>St. Joseph's Degree and P.G College</b> in collaboration with Telagana State Board		Participated
13	B.Akash MSCs IIIB	St. Joseph's College has participated in " <b>Drug Awareness Programme</b> "	Organized by <b>St. Joseph's Degree and P.G College</b> in collaboration with Telagana State Board		Participated
14	Sudheer MSCs IIIB	St. Joseph's College has participated in " <b>Drug Awareness Programme</b> "	Organized by <b>St. Joseph's Degree and P.G College</b> in collaboration with Telagana State Board		Participated
15	Khyathi MSCs IIIB	St. Joseph's College has participated in " <b>Drug Awareness Programme</b> "	Organized by <b>St. Joseph's Degree and P.G College</b> in collaboration with Telagana State Board		Participated
16	Sneha MSCs IIIB	St. Joseph's College has participated in " <b>Drug Awareness Programme</b> "	Organized by <b>St. Joseph's Degree and P.G College</b> in collaboration with Telagana State Board		Participated
17	Srujana MSCs IIIB	St. Joseph's College has participated in " <b>Drug Awareness Programme</b> "	Organized by <b>St. Joseph's Degree and P.G College</b> in collaboration with Telagana State Board		Participated
18	Maheshwari MSCs IIIB	St. Joseph's College has participated in " <b>Drug Awareness Programme</b> "	Organized by <b>St. Joseph's Degree and P.G College</b> in collaboration with Telagana State Board		Participated
19	Harendra Kumar & Atul Kumar B.Sc – MPCs – III Year	St. Joseph's College National Conference on "The Role of Science & Technology for Sustainable Development"	Organized by Department of Sciences St. Joseph's College	Certificate + Conference Kit	Participated, Presented and Published Paper
20	D. Haritha B.Sc – MECs – II Year	St. Joseph's College National Conference on "The Role of Science & Technology for Sustainable Development"	Organized by Department of Sciences St. Joseph's College	Certificate + Conference Kit	Participated, Presented and Published

					Paper
21	Md. Aslamuddin B.Sc – MSCs – III Year	St. Joseph's College National Conference on "The Role of Science & Technology for Sustainable Development"	Organized by Department of Sciences St. Joseph's College	Certificate + Conference Kit	Participated, Presented and Published Paper
22	B. Chandrasekhar B.Sc – MECs – II Year	St. Joseph's College National Conference on "The Role of Science & Technology for Sustainable Development"	Organized by Department of Sciences St. Joseph's College	Certificate + Conference Kit	Participated, Presented and Published Paper
23	K. Pavan Kumar B.Sc – MPCs – II Year	St. Joseph's College National Conference on "The Role of Science & Technology for Sustainable Development"	Organized by Department of Sciences St. Joseph's College	Certificate + Conference Kit	Participated, Presented and Published Paper
24	Nainaka & Laxmi Keerthana B.Sc – MPCs – I Year	St. Joseph's College National Conference on "The Role of Science & Technology for Sustainable Development"	Organized by Department of Sciences St. Joseph's College	Certificate + Conference Kit	Participated, Presented and Published paper
25	S. Vineeth B.Sc – MECs – II Year	St. Joseph's College National Conference on "The Role of Science & Technology for Sustainable Development"	Organized by Department of Sciences St. Joseph's College	Certificate + Conference Kit	Participated, Presented and Published paper

### Extra – Curricular Activities

1	B. Chetan B.Sc – MSCs – III Year	Abhiyaan 2k17 Fest	Organized by Aurora Degree College	I Prize	Vegetable Carving
2	B. Chetan B.Sc – MSCs – III Year	Jahnavi Degree College Fest	Organized by Jahnavi Degree College	I Prize	Vegetable Carving
3	B. Chetan B.Sc – MSCs – III Year	Jahnavi Degree College Fest	Organized by Jahnavi Degree College	II Prize	Best Out of Waste
4	B. Chetan B.Sc – MSCs – III Year	Inter Collegiate Cultural Competition Fest 2k17	Organized by Osmania University	III Prize	Installation
5	B. Chetan B.Sc – MSCs – III Year	Ybration'18 fest 17 <sup>th</sup> Feb 2018	Organized by Administrative Staff College of India	III Prize	Dubsmash
6	Hari Haran B.Sc – MECs – II Year	Osmania University Cultural Fest	Organized by Osmania University	I Prize	One Act Play
7	Hari Haran B.Sc – MECs –	Nations Rock Beat A member Indywood	Organized by Indywood	Got selected for finals	Student Coordinator

	II Year	(International Film Festival)			and participated in RJ and VJ Competition
8	Joachim Adams B.Sc – MECs – II Year	OU Group Singing (Indian)	Organized by Osmania University	I Prize	Group Singing
9	Joachim Adams B.Sc – MECs – II Year	United Carol Singing	Organized by Little Flower High School	I Prize	United Carol Singing
10	Joachim Adams B.Sc – MECs – II Year	Carol Singing	Organized by St. Francis Degree College	I Prize	Carol Singing
11	Janki Kanabar B.Sc – MSCs – II Year	Shot a video Song with Famous Singer Mrs. Srilekha and got Published in Youtube	Organized by Director V.N.Aditya	Cash Prize 7000/-	Acting

## Teachers Day Celebration

Teachers play a major role in making their students as the responsible citizens of tomorrow and good human beings. It is impossible to imagine the life any person without a teacher. They are the cornerstone of future of any person.

Teacher's Day was celebrated by the B.Sc Students on 4<sup>th</sup> September. The students acknowledged the teachers hardworking nature & greatness. The faculty members had a great day. The day was enjoyed by all the teachers. The programme included dance, skit and songs were performed by the students of BSc I,II & III years.



Teachers got very delighted by the programme organized for them. Students celebrated Teacher's Day with a lot of anticipation, with sheer spirit for the occasion.

The Principal Rev.Fr.Vincent Arokiadas participated in the celebrations. He addressed the students with great enthusiasm & highlighted the importance & greatness of a teacher in a student's life which is utmost the crucial stage in an individual's life.

The faculty members also addressed the students & wished them all success in their future and asked the students to keep themselves motivated & self disciplined. The students were very much delighted with the teachers words.

The students expressed their gratitude upon teachers by presenting gifts to the teachers. Cake was also a part of our celebrations because sweet is considered auspicious and sugar helps in boosting your mood.



It reminded the Teachers on this day their school days and feel nostalgic & that it requires a lot of hard work and dedication to be a good teacher and earn the affection of students at the same time. All in all, it was celebration mode for everyone! Students & the teachers had a fun filled day.



Vote of Thanks was also proposed by the final year students. They thanked the God Almighty , the Principal & teachers for there never ending support all through. The event ended with the National Anthem.



## Fresher's Day Celebrations - Bella Accoglienza

**Date** : 6<sup>th</sup> September 2017

**Venue** : Ravindra Bharathi

### Report:

A little lilting music, new faces, smiles all along, resounding laughter- yes it is party time! Students need moments to chill out. The very purpose of Freshers' Day party is to welcome newcomers in a friendly atmosphere and avoid social evils, to encourage their creative impulses to boost their confidence.

A warm note of welcome and cheer greeted the first year UG Students Organized by the Second and Final Year UG Students of St. Joseph's College at Ravindra Bharathi Stadium, Hyderabad. The program started with prayer song by College Choir followed by classical dance welcoming the fresher's. Dance Performances, Fashion Show and Ramp Walk were the highlights of the Freshers Day where in **Mr. Aryan Singh of B.Sc (MSCs) - I Year** won the **Mr. Fresher** Title and Mr. Manas Reddy of B.Sc (MECs) – I year won the title **Mr. Photogenic**.



## Parent - Teacher Meet' 2017

**Date** : 16<sup>th</sup> September 2017

**Venue** : Respective Class rooms

**Time** : 10AM – 4PM

Details Of Parent Teacher Meet						
S.No	Class	Section	Strength	Parents visited	No. Of parents spoke over	Class In-charge

					phone	
1	B.Sc - I	MSCs	41	25	-	Pavani
2	B.Sc -I	MECs	40	28	5	M L N Rao
3	B.Sc - I	MPCs	38	20	4	Shilaja
4	B.Sc – II	MSCs	34	5	-	S Vijayalaxmi
5	B.Sc – II	MECs	35	21	1	R Ashok
6	B.Sc – II	MPCs	37	9	6	N Lakshmi
7	B.Sc - III	MSCs	28	4	-	Esther Ratna
8	B.Sc - III	MECs	30	5	9	D Srinivas Reddy
9	B.Sc - III	MPCs	25	3	6	M Sravan Kumar
			<b>308</b>	<b>120</b>	<b>31</b>	

### Suggestions/Feedback from Parents:

1. Parents requested to send SMS about student attendance status daily basis.
2. They appreciated the management for providing quality education for their wards.
3. Some parents appreciated the management and faculty for conducting events that focused on overall development of the student.
4. Parents were happy and satisfied about the infrastructure and facilities available in the campus.

### Alumni Meet – MILAN 2017

**Date** : 16<sup>th</sup> September 2017  
**Venue** : Joseph Hall  
**Coordinator** : Mrs. M. Kiran Jyothi, HoD-Sciences

#### Report:

“Alumni Meet –MILAN 2017” was held on 16<sup>th</sup> September 2017 at Joseph Hall for the Degree & PG Courses. Six MCA alumni members attended the meet and shared their views to the students and staff. The program started with prayer by most Rev. Fr. Vincent Arokiadas-Principal, followed by prayer song sung by College Choir. The students of B.Sc and B.Com performed cultural programme and entertained the alumni members. The alumni interaction was meticulously planned and executed. Alumni members expressed their intension for attending the alumni meet. The program was concluded with group photograph and high tea.

S.No	Name of the Students	Batch	Current Profile	Phone Number	Email-id
1	Kaushik Iyengar	MCA 2006	INFOSYS Technology Lead	9849593193	<a href="mailto:Kiyengar83@gmail.com">Kiyengar83@gmail.com</a>
2	N.Joseph	MCA 2008	Softa HQ India Pvt. Ltd. Manager	7989363743	<a href="mailto:josephnorbert@gmail.com">josephnorbert@gmail.com</a>

3	James Walkins	MCA 2011	Eidiko Systems Integrators Software Engineer	--	<a href="mailto:James369@gmail.com">James369@gmail.com</a>
4	A. Santosh Kumar	MCA 2008	ValueLabs Pvt. Ltd. QA Lead	9052991212	<a href="mailto:santhoshkumarambati@gmail.com">santhoshkumarambati@gmail.com</a>
5	Jose Felix	MCA 2009	CA Technologies IT Manager	9502110880	<a href="mailto:Ajf.solomon@gmail.com">Ajf.solomon@gmail.com</a>
6	G. Praveen Kumar	MCA 2009	Self Employeed	9000144997	<a href="mailto:Gade.praveenreddy@gmail.com">Gade.praveenreddy@gmail.com</a>
7	T. Vijay Kumar	B.Sc 2014	M.Sc(CS)	8125389189	tvijayt20@gmail.com
8	Komal Jain	B.Sc 2012	Business	8885757467	Jainkomal-17@yahoo.com
9	Nihar Goud	B.Sc 2011	MRF Industries Asst Executive	9959911116	nihar.2132@gmail.com
10	V.Madhusudhan	B.Sc 2013	System Support Analyst Wells Fargo	9700249696	madusudhan.vemula@wellsfargo.com, vemulamadhsudhan9779@gmail.com
11	Akshya Mishra	B.Sc 2013	Process Associate	8977602246	akshyamishra700@gmail.com
12	Nikhila	B.Sc 2014	Teacher	8019643523	Nikhila.k@gmail.com

## Farewell to B.Sc Students

**Date** : 17<sup>th</sup> March 2018  
**Venue** : Joseph Hall  
**Coordinator** : Mrs. P. Madhuri Paul & Mr. S. Srikanth  
**Report:**

Farewell to Final Year B.Sc Students was held on 17<sup>th</sup> March 2018 at Joseph Hall hosted by second year students. All the organizers of second years well planned to give the best experiences and memories to Final Years. Special attractions like Bhangra Dhol, welcome dance, skit, games, tasty snacks and many more were arranged for the final years. It was splendid experience for the final years in remembering the best times that they spent in St. Joseph's. Mr. Farewell and Ms. Farewell titles were given to best performers of the day. Final years inturn shared their views and words of appreciation to organizers of the farewell party.



## Remedial Classes

The Department of Sciences conducted Remedial classes for the students of B.Sc (MPCs/MSCs/MECs) - I, II and III Year to the students who are poor in the subjects and also to the enthusiastic students.

Date	Name of the Faculty	Class/Year /Semester	No. of Students attended	Subject & Topic
23 <sup>rd</sup> Oct 2017	Mrs.M Kiran Jyothi	B.Sc - II Year	11	Computer Networks
23 <sup>rd</sup> Oct 2017	Mrs. Esther Ratna	B.Sc - III Year	15	System Analysis & Design
21 <sup>st</sup> Oct 2017 & 23 <sup>th</sup> Oct 2017	Mr.D.Srinivas Reddy	B.Sc - III Year	10	Vector Calculus & Differential Equations Numerical Analysis

21 <sup>st</sup> Oct 2017 & 23 <sup>th</sup> October 2017	Mrs.V.Shailaja	B.Sc - III Year	15	OOPs using C++
28 <sup>th</sup> Aug – 1 <sup>st</sup> Sep 2017	Ms. S. Vijayalaxmi	B.Sc – I & III Year	19	<ul style="list-style-type: none"> <li>➤ Primary, Secondary data, Questionnaire &amp; Schedule</li> <li>➤ Simplex, Big-M method</li> </ul>
24 <sup>th</sup> – 25 <sup>th</sup> Oct 2017	Mrs.Nampally Lakshmi	B.Sc – II & III Year	8	<ul style="list-style-type: none"> <li>➤ Cayley Hamilton theorem</li> <li>➤ Cauchy Schwarz Inequality</li> <li>➤ Problems of Riemann Integrability</li> <li>➤ Uniform Convergence of Series of Functions</li> </ul>
24 <sup>th</sup> – 25 <sup>th</sup> Oct 2017	Mrs. Pavani	B.Sc – I year	6	Mathematics - Mean Value Theorems
28 <sup>th</sup> Aug – 1 <sup>st</sup> Sep 2017	Mr. Sravan Kumar	B.Sc – I Year	10	Physics
28 <sup>th</sup> Aug – 1 <sup>st</sup> Sep 2017	Mr. M.L.N Rao	B.Sc – I Year	10	Electronics

## Certificate Courses Offered

Name of the Course	Resource Person/ Coordinator	Details
<b>Dynamic Web Designing</b>	<b>Resource Persons:</b> 1. Mrs.P.Madhuri Paul Asst. Professor, Dept. of CS 2. Mr. Mahesh Senior Associate Verticle Technologies	<b>No. of Students registered:</b> 63 <b>Venue:</b> 3 <sup>rd</sup> Floor Lab <b>Duration:</b> 30 Hours <b>Conducted from:</b> 30 <sup>th</sup> Oct - 10 <sup>th</sup> Sep 2017
<b>SPSS</b>	<b>Resource Persons:</b> 1. Dr. M. Vishnuvardhan Rao Deputy Director, NIN, Tarnaka, Hyderabad 2. S. Vijayalaxmi, Assistant professor, Department of Mathematics and Statistics	<b>Venue:</b> 306 & Lab <b>No. of Students enrolled:</b> 45 <b>No. of Classes Conducted:</b> 33 <b>Conducted from:</b> 11 <sup>th</sup> Sep 2017- 23 <sup>rd</sup> Oct 2017
<b>Microsoft Excel</b>	<b>Resource Persons:</b> 1. Mr. DasariEmmanuel Trainer and Managing Director Excel Gyan	<b>Venue:</b> 3 <sup>rd</sup> Floor Lab <b>No. of Students enrolled:</b> 61 <b>No. of Classes Conducted:</b> 25 Hours <b>Conducted from:</b> 23 <sup>rd</sup> Jan 2018–6 <sup>th</sup> Feb 2018

## IT Infrastructure Details

St. Joseph's College has extensive IT infrastructure that makes a Degree College of the 21st Century. The academic buildings feature fully networked classrooms that will allow faculty and students to use the latest instructional technologies as part of the learning process. The design is flexible enough so that new technologies can be incorporated as they develop.



### Highlights of St. Joseph's IT Capabilities:

- **Wi-Fi enabled Campus** - With the support and initiative of Reliance Jio college has established a Wi-Fi enabled campus connecting through 13 APNs and 2 servers with a speed of 10Mbps ranging from 30 - 100 meters along the entire campus, limiting to 1GB per day per user.

Reliance Jio APN's	
Location	No.of APN's & Range
Parking	01 (100 meters)
Ground Floor Corridor	01 (30 meters)
PG Office	01 (30 meters)
Cellar	02 (30 meters)
Board Room	01 (30 meters)
Chapel Hall	02 (30 meters)
Languages Staff room	01 (30 meters)
Sciences Staff room	01 (30 meters)
Library	02 (30 meters)
Joseph's Hall	01 (30 meters)

- State-of-the-art classrooms and labs feature fiber-optic connections, computer-aided instruction, Internet access, and data/power at every seat.
- Well equipped Computer Laboratories with 300 highly configured terminals. Additionally, 110 i3 systems are been purchased this year.

IT Infrastructure Enhancements	
Core i3 systems	
Processor	i3 7 <sup>th</sup> Generation
RAM	8 GB
Hard Disk	1 TB
Projectors	

LCD Projectors	17 Epson Projectors
<b>Other Peripherals</b>	
USB CD Drives	02
Routers	03
Speakers	06
External Hard disks	03
Card Readers	02
LCD Pointers	05

- Internet facility with 160 Mbps bandwidth which connects all nodes in the labs, departments, Offices and Classrooms.
- Laboratories are regularly updated and upgraded by adding to cater to the students' needs. The following are the list of Softwares installed so as to make a student technology ready.
  - **Open Source Softwares** - Tomcat webserver, Redhat Linux,MySQL, Weka Tool, SPSS, 'R' Studio, Python, Tora, PHP and SciLab.
  - **Proprietary Softwares** – Operating System upgraded to 64 bit, Microsoft Office, Oracle 8i, JBuilder, JDK 1.6, Tally ERP9, SPSS 20.6, Sap, Multimedia English Language Software, Advanced communication Skills software, Microsoft Visual Studio, IBM Rational Roe, MSDN 7.0 and Turbo C++.
- Well established circuit, systems are installed with modern Equipments.
- Campus has fully converged network running voice and data on one network infrastructure.

## IBM Labs Inauguration

BBA (Business Analytics) course in collaboration with IBM started this year in the college. IBM and St. Joseph's College have collaborated to set up an IBM Software Lab (Ground Floor Lab and Extended Block Lab) for Emerging Technologies Lab in the campus to help students and faculty members enhance their skills in areas of Cloud, Mobility, Analytics and Cyber Security. The aim is to develop sufficient industry needed skills for manpower on critical emerging technology areas such as Cloud, Mobility, Analytics and Cyber Security.

Ground Floor Lab and Extended



Block Lab are inaugurated by Delegates of IBM and by our Principal on 7<sup>th</sup> Sep 2017. An innovative curriculum has been developed for the BBA (Business Analytics) and will be delivered by IBM designated subject matter experts and St. Joseph's Faculty jointly. The curriculum caters to the various skill requirements of organizations across the world including Banks, Computer Services, Education, Healthcare, Insurance, Manufacturing, Retail and other industries.



## Website Redesigning Report

Technological achievements always had a great impact on every aspect of human society and affected our everyday life in a variety of ways. It is a technological breakthrough, over the decades, revolutionized our communication through website in terms of academic excellence and best practices. In this context we started up a new website designing idea which should cater the needs of 21<sup>st</sup> generation students, academicians and other visitors.

New website designing task is handed over to one of the best designers of the Market, namely Rify Hosting Ltd., under the guidance of Mr. Sridhar, Senior Associate, Rify. The Home page and the Inner Page of the new website were started designing by the inputs of website committee members of the College. It is instructed to all the department in-charges to prepare and submit the required data in the given format of the committee in stipulated time limit.

### Website Committee Members:

1. Mrs. M. Kiran Jyothi, Head – CS
2. Mrs. T. Esther Ratna, Dean



3. Mrs. P. Madhuri Paul

4. Mrs. V. Shailaja

## BoS Meeting Report

### DEPARTMENT OF PHYSICS & ELECTRONICS

#### RESOLUTIONS OF THE BOARD OF STUDIES MEETING

Friday, 16 March 2018 at 2:30 pm, Board Room, St. Joseph's Degree & PG College, Hyderabad.

The Board of Studies meeting for the Department of Physics & Electronics for Physics for B.Sc (MPCs) Course was held on Friday, 16 March 2018 at 2:30 pm in Board Room, St. Joseph's Degree & PG College, Hyderabad.

**The following are the resolutions:**

**It has been resolved:**

1. To approve course structure and Three years syllabus of B. Sc (MPCs) Physics papers from semester-I to semester VI with effect from 2018-2019.
2. To approve the Second and Third year Syllabus of B.Sc (MPCs) Physics for the Batch 2017-2020.
3. To approve the final year Syllabus of B.Sc (MPCs) Physics, for the Batch 2016-2019.
4. To approve the guidelines of internal and external assessment for the project in semester-VI.
5. To approve the Internal and External Question paper pattern.
6. To approve the panel of examiners for theory and practical examinations.

The above resolutions were unanimously approved by the board at the meeting.

### Department of Physics

#### Resolutions: Academic Year 2016-2017

**A meeting of the board of studies for the Department of Physics was held on Thursday 7<sup>th</sup> April' 2016 at 2:30 P.M, in the Conference Hall of St. Joseph's Degree and PG College, Hyderabad.**

The following resolutions were made in the meeting:

1. It was resolved to approve the syllabus of semester-V, Physics Paper-5: (**Electricity & Magnetism**), Physics Paper-6 (**Electronics Devices & Digital Electronics**), semester-VI, Physics Paper-7 (**Spectroscopy & Quantum Mechanics**) and Physics Paper-8 (**Solid State Physics & Nuclear Physics**) of Theory & Practical of B. Sc Final year Physics (MPCs /MPC) with 4 Units under Non CBCS for admitted batch 2014-2015.
2. It was resolved to approve the change of the title from "**Thermodynamics**" to "**Thermal Physics**" of Physics Paper –3, of Semester-III, B. Sc (MPCs) Second year.

3. It was resolved to approve the syllabus of semester-III, Physics Paper-3: (**Thermal Physics**) of Theory & Practical of B. Sc Second year Physics (MPCs), under CBCS for admitted batch 2015-2016.
4. It was resolved to approve the syllabus of semester-IV, Paper-4: (**Optics**) of Theory & Practical of B. Sc Second year Physics (MPCs), under CBCS for admitted batch 2015-2016.
5. It was resolved to approve the Physics course structure for admitted batch 2016-2017 of B. Sc (MPCs) under Choice Base Credit System.
6. It was resolved to approve the Skill Enhancement Papers (SEC); SEC- 1: Renewable energy & Energy harvesting for Semester-III, SEC-2: Applied Optics for Semester-IV & SEC-3: Electrical circuits & Network Analysis for Semester-V respectively under CBCS.
7. It was resolved to approve the syllabus of First semester, Physics Paper-1: (**Mechanics**) of Theory & Lab of B. Sc First year Physics, under CBCS for admitted batch 2016-2017.
8. It was resolved to approve the syllabus of semester-II, Physics Paper-2: (**Electricity, Magnetism and EMT**) of Theory & Practical of B. Sc First year Physics, under CBCS for admitted batch 2016-2017.
9. It was resolved to approve the scheme of evaluation for theory and practical examinations.
10. It was resolved to approve the panel of examiners.

The above resolutions were unanimously approved by the board at the meeting.

## Autonomy Visit

University Grant Commission (UGC) Expert Committee visited St. Joseph's Degree & PG College on 18th & 19th August 2017 to evaluate the performance and academic attainments of last six years for Extension of Autonomous Status to St. Joseph's Degree & PG College.

The Team consisting of Prof. K. S. Rangappa - Distinguished Professor of Chemistry, Institute of Excellence, Former VC, KSOU, University of Mysore – Chairman, Dr. P. Rajani - Principal, Government College for Women (A), Hyderabad - State Government Nominee and Dr. G. Srinivas - Joint Secretary, University Grants Commission, South Eastern Regional Office, Hyderabad - Coordinating Officer was coordinated by Mrs. Esther, Dean Student Affairs.

### Highlights of the Visit

#### Department of Computer Science:

The inspection began with the formal welcoming of the Autonomy Review team by Mrs. M. Kiran Jyothi, Head – Dept. of Computer Science and the faculty members. Mrs. Kiran Jyothi introduced the faculty members to the Team and presented the highlights and the best practices of the Department through ppt. Her presentation deeply emphasized how the department has fully utilized the freedom of autonomy in designing and enhancing the curriculum.

The members of the UGC expert team appreciated the department in engaging themselves for holistic development of a student through seminars, guest lectures, field visits and academic clubs. The team members appreciated the department's engagement in IT Infrastructural enhancements and maintenance. The team members' were delighted to see the exhibits of the students and appreciated them.

### **Department of Mathematics & Statistics:**

The Autonomy review of the Department of Physics & Electronics was held in the Physics & Electronics Lab in the fifth floor of the main building of the college.

The inspection began with the formal welcoming of the Autonomy Review team by the faculty members Mr. D. Srinivas Reddy, Ms. S. Vijayalaxmi, Mrs Nampally Lakshmi & Mrs Pavani Janapaty who represented the Department of Mathematics & Statistics.

The files which included the Curriculum & BoS, Teaching Learning Material, Student Support, Infrastructural details such as Lab details. All files were displayed as per the criteria provided to the department.

At the time of Inspection the faculty enthusiastically participated in showing the various Best practices of the department which included Mathematics exhibitions, Experiential learning, Knowledge sharing, projects, Skill based Assignments given to the students etc. The Mathematical models were a part of the display. The team of Autonomy review were curious to look at the various mathematical models.

### **Department of Physics & Electronics:**

The inspection began with the formal welcoming of the Autonomy Review team by the faculty members Mr. MLN Rao, Mr. R. Ashok Kumar & Mr.M.Sravan Kumar who represented the Department of Physics & Electronics.

The files which included the Curriculum & BoS, Teaching Learning Material, Student Support, Infrastructural details such as Lab details. All files were displayed as per the criteria provided to the department.

At the time of Inspection the faculty enthusiastically participated in showing the various Best practices of the department which included Working models of Embedded system (Projects of B.Sc (final year) & Mini Projects of B.Sc Second years. Skill based Assignments given to the students etc. All the members of the department thanked the team.

## **Future Plans of the Department**

- Do gain unique identity for the Department by conducting Seminars, Workshops Guest Lectures that enhances the scientific temperament in Students and Faculty
- To encourage and direct Faculty and students towards Paper Presentations, Minor Projects and PhD's.

- Encourage, motivated and guide students to pursue projects in the field of Computer Science.
- Organize Institution Industry Interaction programmes, and Industrial Visits.
- Conduct International Seminars in the Vital Domains.
- To start New Courses or enhance the syllabi of existing courses such that the intellectual capabilities of the Faculty and the IT infrastructure of the College is put to optimum utilization.
- Augment Consultancy Service

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