

## **The Annual Quality Assurance Report (AQAR) of the IQAC**

**Name of the Institution** : **ANDHRA LOYOLA COLLEGE**  
(Autonomous),  
Ring Road, Vijayawada – 520 008  
Krishna Dt. Andhra Pradesh

**Year of Report: 2010-2011**

**Part A: The plan of action chalked out by the IQAC in the beginning of the year towards quality enhancement and the outcome achieved by the end of the year.**

1. To give impetus to Research on campus, an action plan is chalked out focusing on encouraging faculty members to attend Seminars and Conferences and also to encourage faculty members to register for research degrees.
2. To strengthen the Library e-Learning Center by way of increasing the infrastructural facilities and to allocate special grants.
3. To promote the habit of reading and literary values among all members in general and students of the College in particular it is proposed to establish a Literary Society.
4. Jawahar Knowledge Centre, a State Government governed Placement Services Cell is to be strengthened to train the final year students for placement.
5. Examination reforms to be implemented.
6. Establishment of botanical garden for the insitu study of taxonomy.
7. Professional training for placement to provided for all the Undergraduate sections.
8. It is a priority to conduct national seminars and to motivate staff to conduct minor or major research projects.

## **Part B:**

### **1. Activities reflecting the goals and objectives of the institution:**

The primary objective of the College is to provide higher education in a Christian atmosphere of all-round excellence to all deserving students, especially those belonging to the Catholic Christian Community along with other students, irrespective of their caste and creed. The college strives to achieve the Jesuit educational goal of "forming men and women for others with competence, conscience and compassionate commitment."

- i) In order to achieve the set objectives and goals, the College follows a multi-dimensional approach.
    1. Fundamentals of Computer are taught to all the first year students.
    2. All the first year students put in 60 hours of social work.
    3. The third year students undertake group research projects.
    4. Students are sent to other academic institutions and industries for internship programmes.
    5. Placement training is offered for all the Undergraduate students.
    6. Full-fledged audio and video studio has been established to offer skill training for the visual communication students.
  - ii) Designing the most relevant and up-to-date curriculum in the courses to provide them the appropriate knowledge, sharpened skills and Ignatian values
    - The Boards of Studies meetings had been conducted to introduce relevant and up-to-date curriculum in the courses.
  - iii) Introduction of co-curricular activities through certificate courses as a tool to enhance the employable and subject skills of the students
  - iv) Integration of extra curricular activities to take of their all-round development through a number of extended programs such as NCC/NSS/NGC/ALERT, etc.
    - NCC, NSS, NGC, ALERT, AICUF and Women's Cell have undertaken a number of activities during the reporting year. The leading themes were the following .. AIDS awareness, Child Labour –Prevention and promotion of child education measures
- ### **2. New academic programmes initiated:**
- As an integral part of the co-curricular activities, a one-year add-on course called Certificate in Information Technology was introduced.

- Post graduate Diploma in Information Technology course was inaugurated on 5<sup>th</sup> July 2010. This course was designed exclusively for the benefit of first year degree non-computer science students to help them acquire advanced computer skills.
- Rising high to the demands of the industry and research through higher education, the Department of Visual Communications has introduced the following one-year Diploma courses –
  - Diploma in Television Production – sponsored by University Grants Commission, New Delhi.
  - Diploma in Multimedia
  - Diploma in Digital Photography
  - Diploma in Audiography.

### 3. Innovations in curricular design and transaction:

The College had introduced the Choice-Based Credit System (CBCS) in 2005-06 and was strengthened in 2006-07 and 2007-2008. As many as 15 departments, both science and arts, have offered courses as general electives for the II year students and conducted. The various courses offered by them are as given below:

S. No.	Department	General Elective
1	Physics	Refrigeration and Air Conditioning
2	Chemistry	Home Crafts and Textile Technology
3	Zoology	Pharmaceutical Drug Marketing
4	Micro-biology	Food Technology
5	Computer Science	“C” Language
6	Electronics	Basics of Electronics and Its Applications
7	Maths	Maths for Competitive Exams
8	Statistics	Bio-Statistics
9	English	Spoken English
10	Telugu	Telugu Journalism
11	Commerce	Fundamentals & Financial Accounting
12	History	Travel & Tourism Management
13	Politics	Human Rights
14	Economics	Quantitative Techniques

Other than the general electives, the departments have modified the regular curriculum with the following changes:

#### **DEPARTMENT OF ENGLISH**

The Board of Studies in English was held on 11<sup>th</sup> March 2011 at 2.00 p.m. in the Conference Hall. And the following resolutions were unanimously passed.

1. It is resolved that the foundation course for the first year General English students will be introduced with grammar based syllabus. And it is decided that all the members of the department will take the responsibility of preparing handouts. The student teachers

will be identified and they will be imparted training to help the teachers in administering the programme. The duration of the course will be 48 hours spread over two weeks with four hours per day.

2. It is resolved to introduce one hour composition and one hour lab for general English students in III & IV semesters. The compositions will be corrected by three tutors to be appointed exclusively for the purpose. Consequently, the syllabus for General English students of stream A & B in III & IV semesters will be reduced.
3. Language lab syllabi for English Literature students of semesters I, II, III, IV, V & VI and General English students of Semesters III & IV have been framed. The language lab instruction will be provided to each class by the lecturers concerned, though there will be a Language Lab instructor to assist them. It is also resolved to hold one Language Lab external examination for the General English students of Semester III & IV and English Literature students of each semester. The test paper will be provided by a software developer.

### **Department of Mathematics**

1. It is resolved to approve the proposed new syllabus for Paper-III(Real Analysis, Vector Calculus & Group theory) & Paper-IV(Real Analysis, Vector Calculus & Group theory) in III and IV Semesters.
2. It is resolved to introduce Open Source Computer Algebraic System Software “Maxima” for III B. A/B. Sc Students who opted for Graph Theory in V Semester and Discrete Mathematics in VI Semester in problem solving session only.

### **Department of Physics**

#### **Theory**

##### **I, III, V Semesters**

- The subject elective paper “Quantum mechanics” is shifted to VI Semester as skill elective.

##### **II, IV, VI Semesters**

- It is resolved to add the following topics in to PAPER IV- Unit V : Nicol prism construction and working , Babinet’s compensator , Half shade Polarimeter
- It is resolved to introduce the 2 more Skilled elective papers from 2011-12 academic year onwards. They are :

##### **1. *Quantum Mechanics* 2. *Computational Physics***

(These are added to the existing skill electives)

##### **➤ Special Paper**

It is resolved to introduce “*Office Tools & C Programming*” as a single paper in place of *Fundamental of Information Technology*. This paper will be taught for one full year ( 2 semesters) for the students of MPC Combination ( AP & AC sections).

## DEPARTMENT OF ZOOLOGY

1. It is resolved to introduce 'Applied Zoology' as paper VII for the batch of students admitted in 2010 -2011. The syllabus is appended with.
2. It is resolved to introduce 'Ornamental Fishery' as Skill based elective in the place of Principles of Aquaculture as paper VIII.

## DEPARTMENT OF MICROBIOLOGY

The term module in all papers was changed to Unit. The following are the additions in all the papers.

Semester II:       The paper title Microbial Techniques and Biomolecules is changed into  
(Paper-II)        "Microbial Techniques and Enzymology"  
                          Unit IV, V: enzymology is replaced with Enzymology

Semester-III:       Unit III: The topic aerobic respiration is added.  
Paper-III)            Unit-IV: Anaerobic respiration is added.  
                          Unit-V: photosynthesis is added.

Semester-IV        title is changed into "Microbial Genetics"  
(Paper-IV) :        The syllabus is reshuffled for better continuity

Semester -V:        The topic little leaf of brinjal is added in unit-V  
(Paper-V)

Semester-VI:        Immunology: unit-11 is changed to immune system  
(Paper-VII)         unit -V autoimmunity is added

## DEPARTMENT OF BIOTECHNOLOGY

### **It is resolved that:**

The following are the additions in all the papers.

Semester I: (Paper-I)    No changes in theory and practicals

Semester II:            Unit V: replaced with Radio Activity  
(Paper-II)

Semester-III:         Paper V is shuffled as Paper III  
(Paper-III)            BIOINFORMATICS Unit is replaced with Protein Trafficking.

Semester-IV            Paper VII is shuffled as Paper IV  
(Paper-IV) :            In Unit V Erythropoietin and golden rice were added.

Semester -V:            A new paper i.e BIOINFORMATICS is introduced with 5 units

(Paper-V)

Semester- V: A new topic i.e. Production of Amino acids and streptomycin was added in Unit IV.

(Paper- VI)

Semester-VI: Paper IV is shuffled as Paper VII

(Paper-VII)

Semester- VI: No changes in Plant and Animal Biotechnology – theory and practicals  
(Paper-VIII)

### DEPARTMENT OF COMPUTER SCIENCE

The Board of Studies in Computer Science met on 12.03.2011 and the following resolutions were passed.

1. The Board approved the new syllabus for III & IV semester theory and Practicals.

#### III Semester:

Theory : Paper III – Database Management Systems

Practical : P III – Oracle Lab (SQL / PLSQL)

#### IV Semester:

Theory : Paper IV – Digital Computer Organisation & Introduction to Micro processor

Practical : IV – VB.Net Lab

2. It is resolved to recommend to introduce **Network socket programming** for the final year students

### DEPARTMENT OF ELECTRONICS

1. The following modifications are made in **1<sup>st</sup> year** syllabus.

- In **1<sup>st</sup> semester** paper entitled “Electrical fundamentals” the topics of multimeter are deleted in Unit -5.
- digital storage oscilloscope and sampling of CRO topics are added in Unit -5
- Name UNIT-5 as CRO.
- In **2<sup>nd</sup> Semester** paper -2, SEMICONDUCTOR DEVICES, the topic IC Voltage regulators is deleted from unit-5..

2. In **3<sup>rd</sup> semester** in the paper -3, ANALOG ELECTRONIC CIRCUITS in Unit -1, Analysis of Low & High frequency, single and multistage RC coupled using FET topics are deleted.

- Hybrid pi model, CE short circuit current gain with load resistance topics are added in Unit-1
  - In unit -5, IC voltage regulators (IC 723, 78xx, 79xx) are added..
3. In 4<sup>th</sup> semester in the paper -4, **pulse and digital electronics** Unit-3 & Unit-4 are replaced by a single unit **logic families** with the following topics: introduction to digital IC's DTL family- OR, AND, NOT, NAND, NOR circuit operations. RTL – NOR & NAND operations, TTL- NAND, CMOS-Inverter NAND and NOR, comparison of various logical families.
    - UNIT-4 as Memories.
    - Introduction to 8085 Microprocessor is introduced as UNIT-5.
  4. In 5<sup>th</sup> semester the following papers **Microprocessor 8086 and Interfacing, Analog and Digital communication and PC Maintenance and Troubleshooting** are newly framed along with the labs Microprocessors, “PC Maintenance and troubleshooting practicals.
  5. In 6<sup>th</sup> semester the following papers “Microcontrollers & Embedded Systems”, “T.V. and Wireless Communication” and “Optical Fiber Communication” are newly framed along with the labs Microcontrollers & Interfacing and Communication practicals.
  6. Following the unitization of syllabus the new question pattern is to be introduced with internal choice in part – A(80marks) and objective type in part –B (20marks).

#### **DEPARTMENT OF HISTORY & I.H.C.**

1. In paper – 1(The existing) Unit – III at the lesson dealing with the Satavahanas, it was resolved to include the aspects on the growth of Telugu Language and culture during the Satavahana rule.
2. In Paper – 2 (The Existing) Unit –II in the lesson dealing with Philosophy of sankara, Ramanuja, Madvacharya, it was resolved to limit only to the impact of these philosophies on the Indian Culture.
3. It was resolved to reorganize the contents of Papers – I, II, III, IV and VII into papers I, II, III, IV and V (this change will come into effect for the batches admitted from 2011-2012 onwards).
4. It was resolved that the Paper – VII dealing with ‘Economic History of Modern India’ to be removed and all the contents of this paper to be delt in paper IV and V at the appropriate places.
5. After this reorganization now the papers will read as follows.
  - Paper – I History and Culture of Ancient India up to 1206 A.D
  - Paper – II History and Culture of South India from Earliest times up to the fall of Vijayanagara Empire.
  - Paper – III History and Culture of Medieval India from 1206 A.D to 1707
  - Paper – IV History and Culture of Modern India from A.D 1707 to 1858.
  - Paper – V History and Culture of Modern India from A.D 1858 to 1973
  - Paper - VI History and Culture of Modern Europe form A.D 1789 to 1980.
  - Paper – VII History and Culture of Modern Andhra from A.D 1765 to 1953.

Paper – VIII Travel and Tourism Management .

6. It was resolved to include in Paper - VI History of Modern Europe, themes on the developments in Europe after the second World War upto 1980.
7. It was resolved to include in paper – VII, the developments in Andhra after 1956 up to the formation Telugu Desam Party.

### **DEPARTMENT OF POLITICAL SCIENCE**

1. It is resolved to adopt the syllabus of paper – III entitled “Dynamics of Indian Democracy” in the place of Party System and Electoral Politics in India for the III semester of the academic year 2011-12 onwards.
2. It is resolved to adopt the syllabus of paper – IV entitled “Study of Major Constitutions – UK, USA, Switzerland, France and South Africa” by adding The Study of the Constitution of South Africa to the existing paper “Study of Major Constitutions – UK, USA, Switzerland and France” for the IV semester of the academic year 2011-12 onwards

### **DEPARTMENT OF ECONOMICS**

The meeting of the Board of Studies for Economics was held on 8<sup>th</sup> March 2011 at 2.00 p.m. in the Conference Hall

- 1) The syllabus in Economics for paper VI (semester V) *Economics Statistics* is modified and named as *Economics Statistics and computer applications*. This paper consists of theory and practical.
- 2) The syllabus in Economics for paper VIII (semester VI) *Economics Statistics* is modified and named as *Economics Statistics and computer applications*. This paper consists of theory and practical.
- 3) The syllabi for remaining paper remain the same.
- 4) It is resolved to change the question paper pattern in which two internal choice questions would be asked from each unit which carry 16 marks each (5 x 16=80 marks). Remaining 20 marks are allotted for objective paper.

### **DEPARTMENT OF COMMERCE**

1. Resolved to introduce practicals for Second B.com for 25 marks in the internals.
2. Resolved to introduce Advanced Accounting – I, Taxation – I, Banking and Financial Services –I and Business Organisation with practical in the third semester for 2<sup>nd</sup> B.Com w.ef. 2011-12
3. Resolved to introduce Advanced Accounting – II, Taxation – II, Banking and Financial Services –II and Business Management with practical in the fourth semester for 2<sup>nd</sup> B.Com w.ef.2011-12



4. Resolved to introduce paper “Business Organisation” in the 3d semester and “Business Management” in the 4<sup>th</sup> semester in the place of Fundamentals of information Technology and Computerized Financial Accounting for the 2<sup>nd</sup> B.com.
5. Resolved to introduce papers Programming in ‘C’ for the 3<sup>rd</sup> semester and Java Programming in the 4<sup>th</sup> semester in the place of Fundamentals of information Technology and Computerized Financial Accounting for the 2<sup>nd</sup> B.com. Computers.
6. Resolved to introduce new course Bachelors of Business Administration (BBA) from the academic year 2011-12.

#### DEPARTMENT OF VISUAL COMMUNICATION

1. It has been resolved to adopt the appended minor modifications in various semesters as follows from the next academic year 2011-2012.
2. It has been resolved to add Visual Drawing in the second Semester in the place of Film Mechanism and Aesthetics.
3. It has been resolved to change the name as Visual Literacy for the subject Visual Literacy and Drawing in 1st semester.
4. It has been resolved to add Film Mechanism and Aesthetics in the First Semester in the place of Practical Photography-I.
5. It has been resolved to remove Practical Photography-I in first Semester.
6. It has been resolved to remove advantages and disadvantages of Radio as Medium in Unit 2 of Radio Broadcasting and it is going to be replaced in unit I in the same subject.
7. It has been resolved to add Current trends in advertising, Advertising in India, Marketing, Integrated Marketing Communication & Public Relations and Advertising.
8. It has been resolved to remove Specialization for the Final years from the next academic year 2011-2012. i.e. removing,
  - Optional 1 Digital Multimedia and 2D & 3D Animation
  - Optional 2 Television Production –II and Editing Process & Techniques.

**4. Inter-disciplinary programmes started:**

A new inter-disciplinary course was designed with intertwining two advanced disciplines – Biotechnology and Microbiology. The new combination is Biotechnology, Microbiology and Chemistry.

The existing course Visual communication is strengthened by intertwining with computer science and electronics, media and photography.

**5. Examination reforms implemented:**

As part of the examination reforms, external evaluation was conducted for the group project works done by the III year Degree students.

**6. Candidates qualified: NET/SLET/GATE etc.**

Twelve candidates have cleared NET/SLET and additional data is being gathered through the alumni association.

**7. Initiative towards faculty development programme**

In the beginning of the academic year a two-day seminar on Professional Development of Staff was conducted on 7<sup>th</sup> and 8<sup>th</sup> June 2010.

The College also adopts continuous faculty improvement for the young staff members. The newly recruited faculty members are given continuous orientation programme by the members of management and other senior faculty members.

**UGC Teacher Fellowship:**

The following lecturers who have been granted the Teacher Fellowship of the UGC are doing their research as full-time scholars.

Sri B.Raju, Dept. of English, Sri D.Bala Karuna Kumar, Dept. of Chemistry and Sri D.V.Satish, Dept. of Physics, have been awarded Faculty Development Programme for carrying out their Ph.D. research.

**III. Ph. D/M.Phil:**

**A. Completed Ph. D.:**

Sri. B. Elia, Dept. of Zoology was awarded a Ph.D in Zoology for his thesis entitled “A study of systematics, phylogeny, and biogeography of Bathnellacea(Cruystacea,

Malacostraca, Syncardia) of peninsular India, the description of eight new species” by Acharya Nagarjuna University, in the month of April 2010.

Dr. Job Sudarshan, Dept. of Value Education, was awarded a Ph.D. in Theology from Heberon Open University for his thesis on “A comparative study of the ethical teaching of Vemana and the Proverbs of the Bible”.

#### **M.Phils Awarded:**

1. Sri B Johnson, Lecturer in Physics, was awarded an M.Phil degree in Physics for his dissertation entitled, ‘Thermodynamic and Spectro - Scopic Studies of Intermolecular Interactions in Nitrobenzene and Methanol System’ by Acharya Nagarjuna University in March, 2010 under the guidance of Dr G Srinivasa Rao of the same Department.
2. Smt.Ch.Bhargavi, Lecturer in Chemistry, has been awarded an M.Phil, by Acharya Nagarjuna University, Guntur, in May 2010 for the Topic “Heavy Metal Contamination in Water”.
3. Ms. G Syamala, Lecturer in English, was awarded an MPhil degree in English for her dissertation entitled, ‘An Insider’s View of Afro-American Life – A Study of Select Novels of Toni Morrison’, by Madurai Kamaraj University in October 2010.
4. Sri P.Venugopala Rao, Lecturer in Mathematics, was awarded an MPhil degree in Mathematics for his dissertation entitled ‘Fuzzy s-ideals of Seminearrings by Acharya Nagarjuna University on 15<sup>th</sup> December 2010.
5. Sri M.Srinivas, Lecturer in Statistics, was awarded an M.Phil degree in “Queueing Theory” by Periyar University for his dissertation titled “A stationary solution to fluid queue fed by an M/M/1 queue”.
6. Mrs.Manjula, Dept. of MCA, was awarded with an M.Tech degree

#### **Submission of M.Phil thesis:**

1. Mrs Ch Kalpana, Lecturer in Physics, under the guidance of Dr Ch Srinivasu, Reader in Physics, submitted her MPhil dissertation entitled ‘Study of Molecular Interactions on Binary Mixture Anisaldehyde and Toluene from Acoustic and Thermodynamic Parameters at Temperatures 303.15 K-318.15k’, to Acharya Nagarjuna University in July.
2. Sri PVS Sairam, Lecturer in Physics, under the guidance of Dr G Srinivasa Rao, Reader in Physics, submitted his MPhil dissertation entitled, ‘Ultrasonic Velocity Studies in 1-Heptanol and Benzene Mixture at Different

Temperatures' to Sri Krishna Devaraya University in September.

**Registration:**

1. Sri B Johnson, Lecturer in Physics, registered for Ph.D. (part-time) in the area of glass science (Physics) at Acharya Nagarjuna University under the guidance of Dr G Srinivasa Rao, Reader in Physics, in June 2010.
2. Sri Kola Sekhar, Lecturer in Telugu, has registered for Ph.D.
3. Smt.Ch.Bhargavi, Lecturer Chemistry, has registered for Ph.D.
4. Sri K.M.Nagarjuna, Lecturer in Statistics, registered for M.Phil programme in Acharya Nagarjuna University during October 2010.

**IV. Research**

**1. Publications:**

1. Dr.Durga P.Ojha and Sri P. Lakshmi Praveen published a research article on 'Computer Simulations of Ordering in a Nematogen -The Role of Dielectric Medium' in the international journal *Z. Naturforsch.*, 65a, 555 (2010).
2. Dr.Durga P.Ojha and Sri P. Lakshmi Praveen published a research article on 'Ordering of a Strong Polar Nematogen 6CBB in Dielectric Medium-A Computational Analysis' in the international journal *Molecular Crystals Liquid Crystal* 528, 175 (2010).
3. Dr.Durga P.Ojha and Ms.N. Ajeetha published a research article on 'The Influence of Oxygen on Mesomorphic Behaviour of Benzylidene Anilines-The Effect of End Chain' in the international journal *Molecular Crystals Liquid Crystal*, 528, 96 (2010).
4. Dr.Durga P.Ojha and Sri P. Lakshmi Praveen published a research article on 'Molecular Order-Disorder Phenomenon of a Nematogen-A Computational Analysis' in the international journal *Molecular Crystals Liquid Crystal*, 533, 92 (2010)
5. Dr.Durga P.Ojha and Ms.N.Ajeetha published a research article on 'Computer Simulation of ordering in a Bipolar Nematogen H6CBP at Phase Transition Temperature' in the international journal *Materials Chemistry and Physics* 123, 147 (2010)
6. Dr.Durga P.Ojha and Sri P.Lakshmi Praveen published a research article on, 'Molecular Ordering in a Nematogen Based on Quantum Mechanics and Intermolecular Forces-A Computational Analysis' in the international journal *Asian Journal of Chemistry*, 22, 4075 (2010).

7. Dr.Durga P.Ojha and Sri Ashwani Kumar, published a research article on ‘Electronic Transport and Thermodynamical Properties of Binary Alloys: ab initio Approach’ in the *International Journal Material Transactopms. B*, 41, 574 (2010)
8. Dr.Durga P.Ojha and Sri Ashwani Kumar, published a research article on ‘Superconducting State Parameters of  $MgB_2$ : Ab initio Study’ in the international journal of Super Conductors & Novel Materials (2010) In-Press
9. Dr.Durga P.Ojha and Sri P. Lakshmi Praveen published a research article on ‘Influence of Dielectric Medium on a Cyano Containing Mesogenic Compound-A Statistical Study Based on Quantum Mechanics and Intermolecular Forces’ in the international journal Russian Journal of General Chemistry (2010) In-Press.
10. Dr.Durga P.Ojha and Sri Ashwani Kumar published a research article on ‘Study of Electronic Density of States of *Zintl* alloys’ in the international journal Communications on Theoretical Physics, 52 (2010)
11. Dr.Durga P.Ojha and Sri Ashwani Kumar published a research article on ‘Estimation of Configurational Entropy and Stability of Nematic Phase in Mesogens-Role of Molecular Interactions’ in the international *Journal of Molecular Liquids*, 158, 27 (2011)
12. Dr.Durga P.Ojha and Sri Ashwani Kumar published a research article on ‘Role of Molecular Rigidity on Phase Organization of a Smectic Liquid Crystal-A Theoretical Model’ in the international journal Materials Chemistry & Physics, 126, 248 (2011)
13. Dr.Durga P.Ojha and Sri Ashwani Kumar published a research article on ‘A First Principle Study of Cd-Zn Binary Alloy’ in the international journal Armenian Journal of Physics, 3, 203 (2010).
14. Dr.Durga P.Ojha, Ms.V.Gayatri, and Sri P. Lakshmi Praveen published a research article on ‘Computer Simulations of Molecular Organization in a Nematogen – The Role of Thermodynamical Parameters’ in the international journal Russian Journal of General Chemistry, 80, 2048 (2010).
15. Dr.B.Venkateswara Rao, Dept. of Chemistry, has published a Paper entitled ‘Reflective practice-A creative means of Teaching’ in the International Journal on New Trends in Education and their Implications, Vol.:1 Issue: 2 (2010) 67-79.
16. Dr.M. Venkateswara Rao, Dept. of Chemistry, has published a paper entitled “tungstate as synergist to phosphonate based formulation for corrosion control of carbon steel” in Journal of chemical science, Vol. 122 (4), 2010.
17. Dr N.V.Ramana Murthy and Mrs.BN Padmavathi, Dept. of Mathematics, published a paper on “S–pure injective modules over commutative Rings” in an International journal “Bulletin of Pure and Applied Sciences” Vol.2 (2009), 189-196.

18. Dr.G.Srinivasa Rao, Dept. of Physics, published a paper titled ‘Vibrational Spectral Analysis of Structural Modification of Cr<sub>2</sub>O<sub>3</sub> containing oxyfluoroborate glasses” in the journal of Non Crystalline Solids, 356 (2010) 2211-2217.
19. Dr.G.Srinivasa Rao, Dept. of Physics, published a paper titled ‘Infrared spectral study of the structure of oxyfluoroborate glasses” in the Journal of Materials Letters, 65 (2011) 378-380
20. Dr.G.Srinivasa Rao, Dept. of Physics, published a paper titled ‘Spectroscopic studies of Lead arsenate glasses doped with nickel oxide” in the Journal of Non Crystalline Solids, (2010)
21. Dr.G. Sahaya Baskaran, Dr.Durga P.Ojha, and Sri P. Lakshmi Praveen, Dept. of Physics, published a research article on ‘Ordering in Nematogenic *p-n*-Heptyloxy Benzoic Acid-A Computational Study’ in the international journal Asian Journal of Chemistry, 22, 5730 (2010).
22. Dr.G.Sahaya Baskaran, Dr.Durga P.Ojha, and Sri P. Lakshmi Praveen, Dept. of Physics, published a research article on ‘A Computational Analysis of Ordering in *p-n*-Octyloxy Benzoic Acid-A Nematogen’ in the International Journal of Pure & Applied Physics, 6, 127 (2010).
23. Dr.G.Sahaya Baskaran, Dept. of Physics, published a research article titled ‘Electrical and spectroscopic properties of LiF–Bi<sub>2</sub>O<sub>3</sub>–P<sub>2</sub>O<sub>5</sub>:TiO<sub>2</sub> glass system’ in the international journal Material Chemistry and Physics (in press - 2010)
24. Dr.G.A.Prasad Rao, Librarian, published a research article in “Grandhalaya Sarvasvam”, a Library and Information Science Journal, in January 2011.
25. Dr.M.C.Rao, Dept. of Physics, published a paper titled ‘Growth and microstructural features of laser ablated LiCoO<sub>2</sub> thin films’ in the Journal of Crystal Growth, (2010)
26. Dr.M.C.Rao, Dept. of Physics, published a paper titled ‘Optical absorption studies of LiCoO<sub>2</sub> thin films grown by pulsed laser deposition’ in the International Journal of Pure & Applied Sciences (2010).
27. Dr.M.C.Rao, Dept. of Physics, published a paper titled ‘Temperature dependent surface morphology of Laser ablated nanocrystalline LiCoO<sub>2</sub> thin film cathodes’ in the journal of Macromolecules (2010)

28. Dr.M.C.Rao, Dept. of Physics, published a paper titled 'Microstructural and electrochemical properties of  $\text{LiNi}_x\text{Co}_{1-x}\text{O}_2$  thin films prepared by pulsed laser deposition' in the journal of Optoelectronics & Advanced Materials (2010)
29. Dr.M.C.Rao, Dept. of Physics, published a paper titled 'Raman investigations on laser ablated  $\text{LiCoO}_2$  and  $\text{LiTi}_x\text{Co}_{1-x}\text{O}_2$  thin film cathodes' in the journal of Optoelectronics and Advanced Materials (Rapid Communication) (2010).
30. Dr.M.C.Rao, Dept. of Physics, published a paper titled 'Effect of doping on the electrochemical performance of  $\text{LiCoO}_2$  thin films grown by pulsed laser deposition' in the journal of Materials Science (2010).
31. Dr.M.C.Rao, Dept. of Physics, published a paper titled 'Spectroscopic investigations on laser ablated  $\text{LiNi}_x\text{Co}_{1-x}\text{O}_2$  thin films' in the journal of Instrumentation (2010).
32. Dr.M.C.Rao, Dept. of Physics, published a paper titled 'Fabrication of  $\text{LiCoO}_2$ ,  $\text{LiTi}_x\text{Co}_{1-x}\text{O}_2$  and  $\text{LiNi}_x\text{Co}_{1-x}\text{O}_2$  thin film cells for rechargeable lithium microbatteries' in the journal of Instrumentation (2010).
33. Dr.M.C.Rao, Dept. of Physics, published a paper titled ' $\text{LiNi}_x\text{Co}_{1-x}\text{O}_2$  Cell Grown by Pulsed Laser Deposition' in the journal of American Institute of Physics, (2010).
34. Dr.M.C.Rao, Dept. of Physics, published a paper titled 'Grain size effect on the growth of  $\text{LiCoO}_2$  thin film cathodes' in the journal of Instrumentation (2011).

## 2. Research Guidance

1. Two scholars guided by Dr.G.Srinivasa Rao (Physics) were awarded MPhil degree in Physics, one in March by Acharya Nagarjuna University and another in May by Bharathidasan University.
2. Two of the scholars under the guidance of Dr G Sahaya Baskaran, (Physics), were awarded M.Phil degree from Acharya Nagarjuna University during this academic year.
3. Three M.Phil scholars of Dr G Srinivasa Rao, (Physics), submitted their dissertations to Sri Krishna Devaraya University and Acharya Nagarjuna University during this academic year 2010-2011.
4. Four of the scholars guided by Dr.Ch Srinivasu (Physics) submitted their M.Phil dissertations to Acharya Nagarjuna University and SKD University in July and December 2010 respectively

5. One of the Scholars under the guidance of Dr.N.Srinivasa Rao (Statistics) submitted his M.Phil dissertation to Acharya Nagarjuna University.
6. Dr.CH.Srinivasu, Dept. of Physics, is guiding six M.Phil. Scholars and two Ph.D. scholars.
7. Dr.M.C.Rao, Dept. of Physics, is guiding two M.Phil. Scholars and one Ph.D. scholar.

### **3. Major Research Project:**

1. Dr.B.Venkateswara Rao, Dept. of Chemistry, has been awarded a Major Research Project by the UGC. The title of the project is “Organophosphoric acids as complexons, antibacterial and anti fungal agents”. The grant of Rs.2,40,000/- is for five years.
2. Dr.Durga P.Ojha, PG Dept. of Physics, has been sanctioned by the University Grants Commission a Major Research Project titled Computational Studies on Molecular Interactions in Liquid Crystals with a project grant of Rs.5,00,000/- The duration of the project is three years i.e. from 2011-2014.
3. Dr..M.C.Rao, Dept. of Physics, is working on an UGC-funded Project titled “Synthesis and Characterization of Nickel doped Lithium Cobalt Oxide Thin Films” and is being assisted by his Research Scholar Sk.Muntaz Begum. The project grant is Rs.2 lakh per annum for a period of 5 years.

### **4. Minor Research Projects**

1. Dr.M.C.Rao, Dept. of Physics, completed an UGC-funded Minor Research Project titled “Synthesis and Characterization of Lithium Cobalt Oxide Thin Films for Microbattery Application” in July 2010. Grant Sanctioned: 1.5 lakh.

#### **Management funded minor research:**

Mr. B. Balaji Bhanu, HOD is doing a research with Gas Pycnometer to determine the densitization factor of solid materials.

### **V. Refresher Courses:**

#### **Refresher courses attended:**

1. Sri N Ranga Babu, Dept. of English and Sri KTSS Raju, Dept. of Chemistry, attended a Refresher Course in Information Technology from 22.02.2010 to 13.03.2010 at Sri Venkateswara University, Tirupati.



2. Sri K.Rayapa Reddy, Sri D.Balakaruna Kumar, Dept. of Chemistry, Ms.T.Rose Mary, Dept. of Botany, Rev Fr G.M.Victor Emmanuel, S.J., Sri A.Shou Reddy, Sri M.Maria Das, Sri P.Chenchu Babu, Dept. of Mathematics and Dr.G.A.Prasad Rao, Librarian, attended a Inter-disciplinary Refresher Course in Disaster Management from 03.03.2010 at Andhra University, Visakhapatnam.
3. Dr.N.Srinivasa Rao, Dept. of Mathematics, Sri PVS Sairam, Sri P Srinivasa Sastry and Sri DV Satish, Dept. of Physics, and Sri D.Bala Karuna Kumar, Dept. of Chemistry, attended a Refresher Course in Information Technology held at Moulana Azad National University, Hyderabad, from 05.05.2010 to 25.05.2010
4. Sri AV Ravi Kumar and Sri V Devasahayam, Dept. of Physics, attended a Refresher Course in Earth Sciences held at Andhra University, Visakhapatnam, from 04.06.2010.
5. Dr.N.Srinivasa Rao, Dept. of Statistics, attended a Refresher Course in Environmental Studies held at SV University, Tirupati, from 12.07.2010 to 31.07.2010
6. Sri PVS Sairam, Sri P Srinivasa Sastry, Dept. of Physics, Sri Y Hanumantha Rao, Dept. of Chemistry, attended a Refresher Course on “Introduction to Nano Materials: Synthesis, Characterisation and their Applications” held at JNTU, Hyderabad, from 13.09.2010 to 04.10.2010
7. Sri T Srikumar, Dept. of Physics, attended a Refresher Course in “Human Rights” held at Moulana Azad National Urdu University, Hyderabad, from 21.09.2010 to 11.10.2010
8. Sri K Adam, Programme Officer, NSS Unit II, attended the 97<sup>th</sup> Orientation Training Programme conducted from 13.09.2010 to 22.09.2010 at Acharya Nagarjuna University, Nagarjuna Nagar.
9. Fr Rex Angelo, S.J., and Sri R Vijaya Kumar, Dept. of English, attended a UGC Refresher Course in Telugu Literature–Translation held from 16.09.2010 to 06.10.2010 at Acharya Nagarjuna University, Nagarjuna Nagar, and obtained ‘A’ Grade.
10. Fr.G.M.Victor Emmaneul, S.J., Sri M Arokiasamy, Sri P Venugopala Rao, Sri M Mariadas, Sri A Show Reddy, Dept. of Mathematics, Sri AV Ravi Kumar, Dept. of Physics, and Sri JVN Prasad, Physical Director, attended a Refresher Course in Human Rights at Maulana Azad National Urdu University, Hyderabad, from 21.09.2010 to 11.10.2010.

11. Mrs.P Anila, Dept. of Chemistry, attended an Inter Disciplinary Refresher Course in Environmental Sciences from 22.10.2010 to 11.11.2010 at Academic Staff College, Andhra University, Visakhapatnam.
12. Ms.P.Manjula and Ms.S.Sunitha, Dept. of Biotechnology, attended a training programme in Animal Tissue Culture Techniques at Loyola Academy, Hyderabad, from 7<sup>th</sup> to 13<sup>th</sup> May 2010.

**8. Training programmes:**

Ms. P. Manjula and Ms. S. Sunitha from the Dept. of Biotechnology attended a training programme in Animal Tissue Culture Techniques at Loyola Academy, Hyderabad from 7<sup>th</sup> to 13<sup>th</sup> May 2010.

**9. Total number of seminars/workshops conducted:**

1. Dr P Ramanujam, Director, Loyola ELT Centre, conducted a workshop on 'Teaching Speaking and Writing' on a State-level in-service course for CBSE teachers of English at Kendriya Vidyalaya, Satyanarayapuram, Vijayawada, on 11<sup>th</sup> May 2010.
2. The Department of Statistics conducted a Seminar on 9<sup>th</sup> August 2010 on the topic "Applications of Probability in Modern Algebra". Prof.P.Venkata Rao, Dept. of Mathematics, Reed College, USA, was the Resource Person. In his address, Prof.Venkat Rao spoke about the 'applications of probability in modern algebra', 'basic ideals of probability concept', and 'use of probability in calculating the coefficients in polynomials of Unique Factorization Domain'.
3. The Department of Commerce organized a seminar on 'The Role of Educational Institutions for a Better Society' on 9<sup>th</sup> August 2010 with Mr Micheal Malahy Morris, Director for Community Learning and Public Service, University of New Mexico, as the resource person.
4. Fr.Dr.G.Jayaraj, PG Dept. of Biotechnology, conducted a one day staff orientation for the staff of Morning Star Degree College, Phirangipuram, Guntur, on 15<sup>th</sup> August, 2010.
5. The PG Departments of Botany and Biotechnology organized a one day seminar on "Bio transformation" by Sri Prem Kumar, Chennai, and Biofuels by Sri Srinivasa Reddy, KL University, Vijayawada on 30<sup>th</sup> August 2010.
6. Dr P Ramanujam, Director, Loyola ELT Centre, conducted a workshop on 'Developing Professionalism through Reflective Practice' for the faculty of the Andhra Loyola Institute of Engineering and Technology on 27<sup>th</sup> September 2010;

7. The Department of MBA conducted a state level management meet Magnelite on 1<sup>st</sup> October 2010. About 360 students from 47 colleges of state participated in four events viz. Business Quiz, Market Makers, Young Manager and Personality contest.
8. The English Language Teaching Centre organized in association with British Council a three day workshop on Business English Certificate from 6<sup>th</sup> to 8<sup>th</sup> October 2010 with Resource Persons drawn from the British Council, preparatory to the college becoming an approved BEC Centre. Admission to the workshop, which is a Teacher Support Programme as British Council puts it, is limited to 25 participants who will be given a Certificate and can train candidates for BEC.
9. Dr P Ramanujam, Director, Loyola ELT Centre, conducted a workshop on 'Classroom Methodology' for the faculty of KL University on 27<sup>th</sup> November 2010;
10. The Department of Computer Science conducted *ScientiaX* – a state level Technical Meet on 29<sup>th</sup> November 2010. As part of this event, technical competitions like Paper Presentation, Quiz, Coding and Debugging and non-technical competitions like Extempore and Collage were conducted.
11. Dr P Ramanujam, Director, Loyola ELT Centre, conducted a workshop on 'Success in Communication: Some Techniques' for the students of the Andhra Loyola Institute of Engineering and Technology, Vijayawada, on 29<sup>th</sup> December 2010.
12. The Department of Physics organized a state level Student Seminar on "Environmental Physics" on 2<sup>nd</sup> December 2010. The Chief guest for the Valedictory session was Prof. Ibrahim Khan, Director, IIT, Nuzvid. Dr Khan advised the students to explore the possibilities of using their knowledge and skill for the rural development.
13. The Department of Chemistry organized a national Quiz for students during 4<sup>th</sup> and 5<sup>th</sup> of December, 2010. Mrs. Anila Vijay Kumar and Ms. Rajeswari were Quiz Masters. During this, a national rapid titration competition for students was conducted. Dr. G.S.Sastry, Dr.G.V.Ramana and other faculty members were coordinators and judges.
14. The Department of Chemistry organized a national seminar for students on the topic entitled 'Insight into Green chemistry' during 6<sup>th</sup> and 7<sup>th</sup> of December, 2010. Dr.B.Venkateswara Rao, H.O.D., Dr.M.Venkateswara Rao (Chairman), Dr.G.Subrahmanya Sasthry, Dr.G.V. Ramana and Prof. B. Kesavarao of Acharya Nagarjuna University were judges for the same.
15. The Department of Electronics organized Technoasis – 10 & 11 – a State Level Electronics Quiz and Paper Presentation competition on 8<sup>th</sup> December 2010. The event was inaugurated by Fr.Dr.D.Showraiah, SJ, Correspondent and Principal In-charge Fr.Victor Emmanuel, SJ. Fourteen students from different colleges

participated in the Paper Presentation competition and 17 teams took part in the Quiz competition, of which 5 teams were selected for finals. In the paper presentation competition, Maris Stella College, Vijayawada, was the winner and Gautam Degree College and JKC College, Guntur, were the first and second runners up. In the quiz competition, Kavita Memorial Degree College, Khammam, bagged the first place, while SDMS College and Gowtham Degree College won 2<sup>nd</sup> and 3<sup>rd</sup> places respectively.

16. Dr P Ramanujam, Loyola ELT Centre, conducted a workshop on ‘Strategies for Successful Communication’ for the English Literature students of Andhra Loyola College, on 10<sup>th</sup> January 2011.
17. The Department of Botany & Microbiology organized a national Seminar Environ-2011 on 20<sup>th</sup> January 2011 for the staff and students of colleges within the state and other states of the country.
18. The Department of Electronics has conducted a two-week training program on Home Appliances Mechanism for second year students who opted for Electronics as the General elective. In all, 32 students benefited by this programme.

#### **10. Attended Workshops/Seminars & Presented Papers:**

##### **Seminars/workshops/Conferences attended:**

1. Sri G.M.Srirangam, Dept. of Zoology, attended a National Workshop for Co-ordinators of Twinning Programme Institutions held at Pondicherry University, Pondicherry, on 20<sup>th</sup> February 2010.
2. Fr.Dr.A.Francis Xavier, S.J. Principal, attended a National Workshop on “Autonomous Colleges: Challenges and Opportunities” organized by the Department of Higher and Professional Education, National University of Educational Planning and Administration, New Delhi, during 22-26 February 2010.
3. Staff and students of PG Biotechnology participated in a seminar on “Awareness on BT-Crops and BT-Brinjal” conducted by Acharya Nagarjuna University. Guntur, on 10<sup>th</sup> March 2010.
4. Sri C.Ravindra Raju, Dept. of History, participated in a National Seminar on ‘Indian Historiography: Recent Trends’ held at Acharya Nagarjuna University on 26<sup>th</sup> and 27<sup>th</sup> March 2010
5. Fr.A. Rex Angelo, SJ, Dept. of English, attended an International Jesuit Conference on the theme, ‘Shaping the Future: Networking Jesuit Higher Education for a Globalising World’ organised by the International Coordinator of Jesuit Higher

- Education, Rome, at Universidad Iberoamericana, Mexico, during 22-24<sup>th</sup> April 2010.
6. Sri. N.Rama Krishna Chand and Sri BK Sudhakar, Dept. of Physics, attended a National Seminar on “Advanced Materials for Display and Other Applications” organized by the Department of Physics, VSR & NVR College, Tenali, on 31<sup>st</sup> May and 1<sup>st</sup> June 2010.
  7. Dr G Sahaya Baskaran, Dept. of Physics, attended an International Workshop organized by Materials Research Society of India & CMAT on 7<sup>th</sup> & 8<sup>th</sup> July 2010 held at Centre for Materials for Electronics Technology, Pune.
  8. Dr. G.Sambasiva Rao, Dept. of Telugu, participated in a literary programme Bhuvana Vijayam organized by the AP Cultural affairs in Vijayawada and played the role of Nandi Timmana, on 23<sup>rd</sup> July 2010.
  9. Sri.P.Chenchu Babu, Dept. of Mathematics, participated in a State Level Seminar on “Stress Free Education – Measures to take and Strengthen Public Funded Institutions” held at Montessori Mahila Kalasala, Vijayawada organized by Krishna District Principals & JL’s of Government and Aided Colleges, on 25<sup>th</sup> July 2010.
  10. Dr. G.Sambasiva Rao, Dept. of Telugu, participated in a literary programme Bhuvana Vijayam organized by the Andhra Saraswatha Samithi, Machilipatnam, and played the role of Pingali Surana, on 31<sup>st</sup> July 2010.
  11. Miss.T.Sailakshmi, PG Dept. of Botany, attended a two day National Seminar on “Medicinal plants–Cultivation and Conservation, Post Harvest Technologies: Marketing and Trade” at Hindu College, Guntur, on 11<sup>th</sup> & 12<sup>th</sup> August 2010.
  12. Ms.CH.V.L.Padmavathi, Dept. of Microbiology, participated in the a Level Workshop on Osteoarthritis and Life style management organized by the Department of Applied Sciences, CH.S.D.ST.Theresa’s Autonomous College for Women, Eluru, on 2<sup>nd</sup> September 2010.
  13. Dr.B.Venkateswara Rao, Dr.M.Venkateswara Rao, Dr.G.Subrahmanya Sasthry and Dr.G.V. Ramana, Dept. of Chemistry, attended a National Seminar on “Nano Materials” held at VR Siddhartha Engineering College, Vijayawada, on 5<sup>th</sup> September 2010.
  14. Dr.G.Srinivasa Rao, Dept. of Physics, participated in an AICTE sponsored National Seminar on Nano Materials in Engineering Chemistry organized by Department of Chemistry, VR Siddhartha Engineering College, Vijayawada, on 13<sup>th</sup> September 2010.
  15. Mrs. B.Baby Rani, Dept. of Economics, attended a Seminar on ‘Special Economic Zones-Problems and Prospects’ held at Acharya Nagarjuna University on 27<sup>th</sup> September 2010.

16. Dr.M.C.Rao, Dept. of Physics, attended a National Seminar on Nano Materials in Engineering Chemistry, organized by V.R.Siddhartha Engineering College (Autonomous), Vijayawada, 13<sup>th</sup> October, 2010.
17. Sri G.M.Srirangam, Dept. of Zoology, attended a National Seminar on “Open Distance Learning – Learner Support Services – Role of Media” held at Dr.B.R.Ambedkar Open University, Hyderabad, on 20<sup>th</sup> & 21<sup>st</sup> October 2010.
18. Mrs.T.Rose Mary, Dept. of Botany, Ms.S.Sunitha, Dept. of Biotechnology and Miss.T.Sailakshmi, PG Dept. of Botany, attended a National Seminar on Stem Cell Technology and Clinical Research held at Montessori Mahila Kalasala, Vijayawada on 23<sup>rd</sup> October 2010.
19. Ms.Ch.V.L.Padmavathi, Dept. of Microbiology, attended a National Campaign of Ayurvedic Kcharasutra, Geriatric care, Anaemia chronic disorder and child health care on 24<sup>th</sup> to 26<sup>th</sup> October 2010 at Warangal.
20. Sri B.K.Sudhakar, Dept. of Physics, attended a National Level Seminar on the topic “Novel Glass Materials for Display Applications” organized by Sri Velagapudi Ramakrishna Memorial College, Nagaram, during 28-29<sup>th</sup> October 2010.
21. Sri B.Balaji Bhanu, Dept. of Electronics, attended a one day National Level Workshop on Experiential Learning in Higher Education-an Innovative Approach held at Vellore Institute of Technology, Chennai, on 13<sup>th</sup> November 2010.
22. Dr.M.C.Rao, Dept. of Physics, attended a week long Professional Development Programme organized by UGC Academic Staff College, University of Hyderabad, from 15<sup>th</sup> to 20<sup>th</sup> November 2010.
23. Sri CH Ravindra Raju, Dept. of History, attended an “Exposure Training Programme in Travel, Tourism and Hospitality” imparted for BA students from 17<sup>th</sup> to 24<sup>th</sup> November 2010 at Dr.YSR National Institute of Tourism & Hospitality Management.
24. Ms.Ch.V.L.Padmavathi, Dept. of Microbiology, attended a State Level Seminar Biofest -2010 at Nalanda Degree College, Vijayawada, on 4<sup>th</sup> December 2010.
25. Fr.Dr.G.Jayaraj, PG Dept. of Biotechnology, participated in an International Conference on “Climate change” held at Osmania University, Hyderabad, during 9-10, December 2010.
26. Fr.Dr.G.Jayaraj, PG Dept. of Biotechnology, participated in an Environmental protection training conducted by Environmental protection and training research institute, Government of Andhra Pradesh, at Vijayawada, on 20<sup>th</sup> December, 2010.

27. Mrs.G.Syamala, Coordinator of Women's Cell, attended a Workshop on 'Ways and means to avert suicides in women' at Jana Siksha Sanasthan on 22<sup>nd</sup> December 2010.
28. Dr.R.Ravindra Bhas, Dept. of Telugu, attended as a delegate WTF 9<sup>th</sup> biennial International Conference on 25<sup>th</sup> December 2010 at Chennai organized by World Telugu Federation.
29. Sri K Ravi Sankar, Dept. of Zoology, attended a National Seminar on Cardio vascular system held at PBS College, Vijayawada, on 7<sup>th</sup> January 2011.
30. Dr.M.Venkateswara Rao, Dr.G.S.Sastry, Dr.G.V.Ramana and Sri Y.Hanumantha Rao, Dept. of Chemistry, are going to attend a National Conference on 'Pharmaceutical Chemistry' to be organized by Krishna University, Machilipatnam, during 30<sup>th</sup> & 31<sup>st</sup> January 2011.
31. Sri M Arokiasamy, Dept. of Mathematics, is going to participate in a National Workshop on "Computer Algebra System (CAS)" organized at Bhaskaracharya Prathishthana and supported by MHRD, Govt. of India from 27<sup>th</sup> – 31<sup>st</sup> January 2011 at Pune.
32. Sri. K. Sashi Kiran, Dept. of MBA, along with five final year students will be participating in PRAXIMA, a National Level Conference to be conducted on 4<sup>th</sup> & 5<sup>th</sup> February 2011 at St. Joseph's Institute of Management, Tiruchurapali. They will be presenting a paper on the topic "M-Commere: Opportunities and Challenges".
33. Sri Y.Hanumantha Rao, Dept. of Chemistry, attended an UGC-sponsored State Level Workshop on "Chemical Instrumentation" and acted as a resource person in technical session at AG & SGS Degree College of Arts and Science, Vuyyuru.

**Books/articles published:**

1. A research text book authored by Dr.M.C.Rao, Dept. of Physics, entitled "Investigations on Lithium Cobalt Oxide Cathode Materials Grown by PLD" has been published by Lap Lambert Academic Publishing Company, Germany, under ISBN-10: 3843365245, ISBN-13: 978-3843365246 on 20<sup>th</sup> October 2010
2. Dr.N.Srinivasa Rao's (Dept. of Statistics) research work was published by German publishers VDM Verlag publications with the title "Statistical and Related Approaches in Pattern Recognition". ISBN 10: 3639287754, ISBN 13: 978-3639287752, pp 348
3. Dr.V.Vallabha Rao, Dept. of Hindi, published a book entitled "Chote Kumar", which was released by Shri. Mandali Buddha Prasad, former Minister, on 9<sup>th</sup> May 2010 in Vijayawada.

4. Dr. V. Vallabha Rao, Dept. of Hindi, with Dr.G.Sambasiva Rao, Dept. of Telugu, co-authored a book entitled “Telugu Bhasha Samskriti Chaitanya Yatralu” which was released by Sri. Muppavarapu Venkaiah Naidu, BJP National Leader on 26<sup>th</sup> December 2010 in Vijayawada.
5. Sri N Suresh Babu’s (Dept. of Sanskrit) book entitled “B&C Certificate Exams’ Study Material” was published with the financial assistance of 3(A) R&V Regt NCC, on 3<sup>rd</sup> January 2011.
6. Dr.N.Srinivasa Rao, Dept. of Statistics, authored Telugu Academy First Year Statistics Telugu and English Medium Text Books.
7. Dr.G.Sambasiva Rao’s (Dept. of Telugu) essay on Siddha Sankalpudu Khanadavalli Lakshmi Ranjanam was published in the Visalandhra on 10<sup>th</sup> May 2010.
8. Dr. G.Sambasiva Rao, Dept. of Telugu, published a book entitled “Telugu Bala Sathakam” and it was released by Padmasri Yarlagadda Lakshmi Prasad in Vijayawada, on 16<sup>th</sup> August 2010.
9. Dr.K. Job Sudarshan, Dept. of Value Education, wrote two books namely 1. Vedapatham, Bible guide to the Pentateuch. 2009-2010 and 2. Vedapatham Bible guide to the Historical books of the Bible August 2010.
10. Dr.G.Sambasiva Rao’s (Dept. of Telugu) essay on “Kovvali Navalalu won a prize in a literary competition) conducted by the Kinnera Arts, Hyderabad, on 8<sup>th</sup> June 2010.
11. Dr.G.Sambasiva Rao, Dept. of Telugu, published an essay “Asok kumar minikavitha” in Chinuku Monthly magazine in November 2010.
12. Dr.G.Sambasiva Rao, Dept. of Telugu, published an essay in Chinuku monthly magazine on “Vihari praptham katha samputhi - Jeevana chitrana” during January 2011.
13. Dr.G.Sambasiva Rao, Dept. of Telugu, published an essay on “Sundara kavitaku rajadhani – Subbanna Sathavadhani” in Andhra Prabha daily on 17<sup>th</sup> January 2011.
14. Dr.G.Sambasiva Rao’s (Dept. of Telugu) book review on Pada Kavita Vyjayanti was published in Bhavaveena Monthly, magazine in January 2011.
15. Dr.V.Vallabha Rao, Dept. of Hindi, co-authored with Dr.G.Sambasiva Rao, Dept. of Telugu, and directed a Telugu drama on the life of St.Ignatius Loyola entitled Phalinchina kala and the drama was staged on the occasion of the Feast of St.Ignatius on 30<sup>th</sup> July 2010.



16. Dr.V.Vallabha Rao's (Dept. of Hindi) translated a Hindi Short-Story into Telugu entitled "Maro kunti" and it was published in a famous Telugu Literary monthly Journal 'Chinuku' in April 2010.
17. Dr.V.Vallabha Rao's (Dept. of Hindi) Book review of the book "Manchi Anuvadala Samaharam - Manasuloni Maata" was published in a Telugu Monthly 'Chinuku' in July 2010.
18. Dr.V.Vallabha Rao, Dept. of Hindi, authored Hindi Study material for 2<sup>nd</sup> year Degree students for the Distance Education Centre, Acharya Nagarjuna University.
19. Dr.V.Vallabha Rao, Dept. of Hindi, as Associate Editor, edited the Study material for the 2<sup>nd</sup> year Degree Hindi (2<sup>nd</sup> Language) Students of Distance Education Centre, Acharya Nagarjuna University.

**Guest Lectures delivered by Faculty as Resource Persons:**

1. Dr.G.Sambasiva Rao, Dept. of Telugu, **delivered a speech** on Telugulo Bhakti sahityam on 10<sup>th</sup> May 2010 organized by Rasabharathi and he also gave a speech on Telugulo Dandaka Sahityam on 14<sup>th</sup> May 2010 conducted by the Industrial Agricultural Exhibition Society of Vijayawada.
2. Dr.G.Sambasiva Rao, Dept. of Telugu, **gave a talk** on Annamayya Sankeertna Sahityam at a literary programme organized by the Annamayya Samskrutika Samithi at Narasaraopet, on 27<sup>th</sup> May 2010.
3. Dr.G.Sambasiva Rao, Dept. of Telugu, **gave a talk** on Suravaram Pratapa Reddy's short stories at a literary programme (May-28) organized by the Telugu Bhashodyama Samakhya in Vijayawada, on 28<sup>th</sup> May 2010.
4. Dr.G.Sahaya Baskaran, Dept. of Physics, acted as a **Resource person** during the Orientation Programme for the Staff members of JMJ College, Tenali, and delivered a lecture on "Choice Based Credit System" on 12<sup>th</sup> June 2010.
5. Sri S.Yosebu, Dept. of Economics, **delivered a Guest Lecture** on 'Child Statistics' at CGO complex, NSSO office, in connection with National Statistics Day, on 29<sup>th</sup> June 2010
6. Dr P Ramanujam, Director, Loyola ELT Centre, **delivered the keynote address** at an UGC-sponsored seminar on 'English Communication: A Road Map' held at The Bapatla College of Arts and Sciences, Bapatla, on 29<sup>th</sup> June 2010;
7. Sri K.V.Vijaya Babu, Dept. of Political Science, **delivered a Guest Lecture** on "Contemporary India: Problems and Prospects" at Vignana Nilayam. Janampet, near Eluru, on 14<sup>th</sup> August 2010.

8. Dr.M.C.Rao, Dept. of Physics, delivered an **invited talk** on the topic “Electrochemical Characterization of  $\text{LiCoO}_2$ ,  $\text{LiTi}_x\text{Co}_{1-x}\text{O}_2$  and  $\text{LiNi}_x\text{Co}_{1-x}\text{O}_2$  thin film cathodes grown by pulsed laser deposition” at an International Conference on Waves & Material Science (ICWAMS), organized by St. Joseph’s College of Arts & Science (Autonomous), Cuddalore, Tamilnadu, on 23<sup>rd</sup> August 2010.
9. Dr.R.Ravindra Bhas, Dept. of Telugu, rendered his voice to the Telugu translated version of the Holy Bible, produced by “Faith Comes by Hearing” missionary organization, Hyderabad, during August 2010. He also rendered voice-over for the documentary on “Ecologically Safe Jute Products” produced by Krishna Hessensians, Eluru, during November 2010.
10. Sri K.Sashi Kiran, Dept. of MBA, **delivered a Guest Lecture** on “Changing trends in Marketing Environment” at Nalanda Degree College, Vijayawada, on 15<sup>th</sup> September 2010.
11. Dr. G.Sambasiva Rao, Dept. of Telugu, **delivered a Guest Lecture** on “Gurajada Sahityam’ at S.S.N. College, Narasaraopet, on 20<sup>th</sup> September 2010.
12. Dr.G.A.Prasad Rao, Librarian, **delivered a Guest Lecture** on “Career Opportunities” to the students of Dr.K.R.R.M.Degree College, Duggirala, on 1<sup>st</sup> October 2010.
13. Dr. G Sahaya Baskaran, Dept. of Physics, acted as a **Resource person** on the UGC Orientation Programme for the Staff members of D.R.W. Degree College, Gudur, Nellore District, on 4<sup>th</sup> October 2010 and **delivered a lecture** on “Introduction to I/O Devices”.
14. Dr.G.Sambasiva Rao, Dept. of Telugu, **gave a Speech** on “Telugu Chaatuvullo Haasyam” conducted by Sarada Kala Samithi, Tenali, on 3<sup>rd</sup> October 2010.
15. Fr.Dr.A.Francis Xavier, SJ, Principal and Dr.G.A.Prasada Rao, Librarian, gave an **Invited talk** on N-list at U.G.C. SERO office, Hyderabad, on 8<sup>th</sup> October 2010 for 50 Principals coming from South India.
16. Sri S.Yosebu, Dept. of Economics, **delivered a Guest Lecture**, as a resource person, on ‘Statistics-services, Professionalism and Integration’ on 20<sup>th</sup> October 2010 in connection with the celebration of first ‘World Statistics Day’ at CGO complex, NSSO office.
17. Sri M Arokiasamy, Dept. of Mathematics, **delivered a Guest Lecture** on “Promoting Passion for Mathematics Teaching and Learning” organized by Association for Improvement of Mathematics Education (A.I.M.Ed) on 14<sup>th</sup> November 2010 at Future Path High School, Vijayawada.
18. Dr G Sahaya Baskaran, Dept. of Physics, delivered a **Guest Lecture** on ‘Optics in Daily life’ at P.B. Siddhartha College, Vijayawada, on 19<sup>th</sup> November 2010.

19. Sri M Arokiasamy, Dept. of Mathematics, **delivered a Guest Lecture** on “Scintillating Ways to Enhance Learning Abilities” organized for the students of New Hostel, Andhra Loyola College, Vijayawada, on 20<sup>th</sup> November 2010,
20. Dr.G.A.Prasda Rao, Librarian, delivered a **Guest Lecture** on “Usage of Library for Competitive Examinations” on 1<sup>st</sup> December 2010 at Dr.K.R.R.M. Degree College, Duggirala, Guntur Dt..
21. Sri GM Srirangam, Dept. of Zoology, **delivered a talk** on “Communication Skills – Need of the Hour” at Sarada College, Vijayawada, on 5<sup>th</sup> December 2010.
22. Sri K.V.Vijaya Babu, Dept. of Political Science, **delivered a Guest Lecture** on “Human Rights in India: Theory and Practice” at SRR and CVR Degree College, Vijayawada, on 15<sup>th</sup> December 2010.
23. Sri M Arokiasamy, Dept. of Mathematics, **delivered a Guest Lecture** on “Impact of Mathematics on Science and Technology” organized by the Department of Mathematics, Maris Stella College, Vijayawada, on 20<sup>th</sup> December 2010.
24. Dr.G.A.Prasda Rao, Librarian, **delivered a Guest Lecture** on “Automation & Digitisation activities in Libraries” at Leadership Training Centre under the Ministry of H.R.D, Guntur, on 21<sup>st</sup> December 2010.
25. Dr.N.V. Ramana Murthy, Dept. of Mathematics, **delivered a Guest Lecture** on “Ramanujan’s Works in Mathematics” at Bhashyam School, Guntur, on 22<sup>nd</sup> December 2010, in connection with the birth anniversary of Srinivas Ramanujan, the famous Indian Mathematician.
26. Sri M Arokiasamy, Dept. of Mathematics, **delivered a Guest Lecture** on “Role of ICT in Learning Mathematics” organized by the Department of Mathematics, KBN College, Vijayawada, in commemoration of the birth anniversary of the famous Indian Mathematician Sri. Srinivasa Ramanujan, on 22<sup>nd</sup> December 2010
27. Sri B.Balaji Bhanu, Dept. of. Electronics, acted as a **Resource Person** and **delivered a lecture** on ‘Information Technology and its Uses’ at an Orientation Programme organized by the Director of Intermediate Education, A.P. for the Junior Lecturers of Mathematics and Civics subjects working in Government and Aided Junior Colleges of Zone II. The Orientation Programme was held on 25<sup>th</sup> December.2010 at JMJ Junior College, Hanuman Junction.
28. Dr.G.Srinivasa Rao and Sri PVS Sairam, Dept. of Physics, acted as a **Resource persons** at a workshop on Choice Based Credit System conducted for the Staff members of VSR & NVR College, Tenali, on 28<sup>th</sup> December 2010.

29. Dr. G.Sambasiva Rao, Dept. of Telugu, **gave a Guest Lecture** on “Gurram Jashuva-Andhra Prasasthi” at A.N.R. College, Gudivada, on 28<sup>th</sup> December 2010.
30. Dr.G.V.Ramana, Dept. of Chemistry, **gave a Guest Lecture** on “R&S system of configuration for undergraduate students at JKC College, Guntur, on 29<sup>th</sup> December 2010
31. Sri M Arokiasamy, Dept. of Mathematics, **delivered a lecture** on “Impact of IT in creating an exciting atmosphere in teaching Mathematics” at an orientation program sponsored by the Director of Intermediate Education, Andhra Pradesh, Hyderabad held for Mathematics junior lecturers of Krishna and West Godavari Districts on 29<sup>th</sup> December 2010 at JMJ Junior College, Appanaveedu, Hanuman Junction.
32. Sri GM Srirangam, Dept. of Zoology, **delivered a talk** on “Team Work – Pulling Together” at a national level workshop conducted by Xavier Board of Higher Education, Bangalore, held at Andhra Loyola College, on 30<sup>th</sup> December 2010.
33. Dr G Sahaya Baskaran, Dept. of Physics, acted as a **Resource person** on the Leadership camp organised by Xavier Board of Higher Education in India, Bangalore held at Andhra Loyola College, Vijayawada, during 28-30<sup>th</sup> December, 2010.
34. Dr G Sahaya Baskaran, Dept. of Physics, acted as a **Resource person** on the UGC sponsored Refresher Course in Physics on “IT tools for teaching of Physics” organized by Duvvuru Ramanamma Women’s College, Gudur, on 4<sup>th</sup> January 2011.
35. Fr.GM Victor Emmanuel, Dept. of Mathematics, gave **an orientation seminar** to the teachers of St.Joseph’s EM School, Cuttack, in May 2010 and to the teachers of St.Ann’s EM School, Kanguon, Maharashtra, in July 2010, to the teachers of St.Ann’s TM School, Vijayawada, in October 2010.
36. Dr.G.Sambasiva Rao, Dept. of Telugu, **delivered a Speech** on Dalit Drama at Visakhapatnam conducted by Dalit Sahitya Peetham, on 1<sup>st</sup> January 2011.
37. Dr.G.V.Ramana, Dept. of Chemistry, **delivered a Guest Lecture** on “Stereochemistry of Carbon compounds for undergraduate students” at VSR & NVR College, Tenali, on 20<sup>th</sup> January 2011.
38. Fr.Dr.G.Jayaraj, PG Dept. of Biotechnology, **delivered a Guest Lecture** on “Use of Molecular Markers in plant identification and physogenetics” at Montessori Mahila Kalasala, Vijayawada, on 22<sup>nd</sup> January, 2011.
39. Dr.CH.Srinivasu, Dept. of Physics, **delivered a Guest Lecture** on Physics Projects at SRR & CVR Govt. Degree College, Vijayawada, in the month of December 2010.
40. Dr.CH.Srinivasu, Dept. of Physics, **will be delivering a Guest Lecture** on Nano Technology at VR Siddhartha Engineering College on 31<sup>st</sup> January 2011.

RADIO TALKS

1. Sri N.Suresh Babu, Dept. of Sanskrit, delivered a radio talk on Amara Bharati–Pracheena Sthree Vidya on 14<sup>th</sup> December 2010.
2. Dr.P.Ramanujam, Dept. of English, gave a radio interview on ‘SMS English and Its Impact’ on 12<sup>th</sup> April 2010.
3. Dr.V.Vallabha Rao, Dept. of Hindi, prepared and conducted two lessons for 9<sup>th</sup> & 10<sup>th</sup> classes and they were broadcast by AIR, Vijayawada, on 21<sup>st</sup> & 23<sup>rd</sup> November 2010.
4. Sri N.Suresh Babu, Dept. of Sanskrit, gave a Radio talk on “Prachina Bharate Strividya” (Women education in Ancient India) in the A.I.R. station, Vijayawada, on 14<sup>th</sup> December 2010.
5. Dr.G.Sambasiva Rao, Dept. of Telugu, delivered a radio talk on Gopichand’s short stories on AIR, Vijayawada, on 22<sup>nd</sup> September 2010
6. Dr.G.Sambasiva Rao, Dept. of Telugu, participated in Natya, Sahitya Avadhanam conducted by A.I.R., Vijayawada, on 3<sup>rd</sup> January 2011.
7. Dr.G.Sambasiva Rao, Dept. of Telugu, participated in literary discussion conducted by AIR, Vijayawada, on “Madhura kavi nallam Krishna Rao’s works” on 23<sup>rd</sup> January 2011.
8. Dr.Sambasiva Rao’s (Dept. of Telugu) speech on Bharathruhari Subhashithalu was broadcast on A.I.R. Vijayawada, on 25<sup>th</sup> December 2010 and on 8<sup>th</sup> January 2011.
9. Dr.V.Gopala Reddy, Dept. of Telugu, conducted five Radio Talks in All India Radio, Vijayawada Station, on the topic “Sarasavinodini”.
10. Dr.V.Gopala Reddy, Dept. of Telugu, conducted a programme on Personality Development, in AIR, Vijayawada.

## 11. Best Practices of the Departments:

### Guest Lectures organized:

1. The Department of Computer Science organized a motivational talk for the final year students on 7<sup>th</sup> July 2010. Sri P.V.Krishna, Managing Director, Global Commodities, CITI Group Energy, Texas, gave a talk on “**Success in Career**”.
2. The Department of Physics organized a guest lecture on “**Research Avenues in Non-crystalline Materials**” on 12<sup>th</sup> July 2010. It was delivered by Prof.Manuel de Almeida Valente, Dept. of Engineering Physics, University of Aveiro, Portugal..

3. The Department of Computer Science organized a guest lecture for the final year students on **“Software engineering and real time implementation of SDLC”** on 23<sup>rd</sup> July 2010. The resource person was Sri B.Buchaiah, Software Development Engineer, Hi-Tech City, Vijayawada.
4. The Department of History in collaboration with the department of Economics and Political Science organized a guest lecture on 23<sup>rd</sup> July 2010 to mark the “500 years of coronation celebrations of Sri Krishna Devaraya” on the topic **“The Relationship between the Telugu Regions with the Vijayanagara Empire and the impact of Vijayanagara Rule in general and Krishna devaraya in particular over Andhra”** The guest lecture was delivered by Dr.J.Krishna Prasad Babu, Head, Dept. of History, Jawahar Bharati Degree College, Kavali.
5. The Department of Commerce organized a guest lecture on **‘Career Guidance for Commerce students’** on 2<sup>nd</sup> September 2010 by Sri P.Srinivas from IMS.
6. The Department of Political Science organized a guest lecture on **“Making of US Foreign Policy”** on 14<sup>th</sup> September 2010, delivered by Ms.Juliet Wurr, Public Affairs Officer, US Consulate, Hyderabad.
7. The Department of History in collaboration with the department of Economics and Political Science organized a guest lecture on **“Individualism in European History”** on 17<sup>th</sup> September 2010. Prof.D.A.Mukhopadyaya, Reader in History, Hyderabad Central University, delivered the guest lecture.
8. The Department of Chemistry organized a guest lecture on **“Water and Waste Water Management”** on 29<sup>th</sup> September 2010, delivered by Dr.M.Sarath Babu, VR Siddhartha Engineering College, Vijayawada.
9. The Department of Statistics organized a guest lecture on **“Application of Probability”** on 29<sup>th</sup> September 2010, delivered by Prof.P.Venkata Rao, Reed College, Oregon, USA.
10. The Department of Commerce organized a guest lecture on **‘Opportunities in Management studies’** on 4<sup>th</sup> October 2010 by Sri Siva from Indian Business School (IBS) Hyderabad.
11. The Department of Physics organized a guest lecture on **‘An approach and methodology and publication of project’** by Prof. Dr. Durga Prasad Ojha, Principal of Andhra Loyola Institute of Engineering and technology, Vijayawada on 15<sup>th</sup> November 2010
12. The Department of MBA conducted a guest lecture on **“Changing role of Managers”**. The resource person was Sri Madhu Kumar of NTTPS (Narla Tatha Rao Thermal Power Station) in November 2010.

13. The Department of Electronics arranged an awareness talk on **“Project-methodology”** for the final year students and the talk was given by Dr.Ch.Srinivasu, Head, Department of Physics, ALC.
14. The Department of Electronics organized a guest lecture on **“Opportunities in Electronics and its Importance”** on 1<sup>st</sup> December 2010 and the lecture was delivered by Prof..Dr.CH.Ravi Sankar Kumar, from Gitam University, Vizag.
15. The Department of Telugu conducted a guest lecture on 1<sup>st</sup> December 2010 on the topic **“Telugulo Haasyam”** by Sri K.Sankaranarayana, Chief Sub Editor, Enadu (Hydrabad) as the guest speaker.
16. The Department of MCA conducted a guest lecture by Sri Vamsi Krishna from CTS on the topic **“Influence of .Net on Software Industry”**.
17. The Department of MCA conducted a guest lecture on the topic **“Quality Assurance and Management”** by Sri Madhu, a Senior Software Engineer from Hi-Tech City of Gannavaram.

#### **OTHER HIGHLIGHTS**

1. Learn a Plant a Day – by the Department of Botany.
2. OPEN HOUSE of Science Exhibition for the School Children – by the Departments of Chemistry, Botany, Zoology, Biotechnology, Microbiology and Physics.
3. Regular Intercollegiate quiz- by the departments of Mathematics, Chemistry, Physics and Computer Science
4. BEMUS- an annual commerce festival has been inaugurated.
5. Students involvement in maintaining the herbal garden with 90 medicinal plants – by the department of botany
6. Subsidised Mid day meals for the poor students
7. Earn while You Learn programme for which the management is spending more six lakhs of rupees.

#### **12. Patents generated, if any:**

The college is making all efforts to generate patents.

#### **13. New collaborative research programmes:**

Management funded, The Flora of the Campus – three year minor research has been completed.

The college management is collaborating with Loyola integral Tribal Development Society to initiate projects related to Ethnobotany - The study medicinal plants used by Koya tribals.

Even though the college has not taken up any collaborative research programmes, the III year students are made compulsory to take up group projects related to the final year subject papers.

#### 14. Research grants received from various agencies:

##### b) Completed: Research

The following are the on-going research projects of faculty members funded by UGC.

S.No	Name of the lecturer	Title of the minor/major research project	Amount sanctioned	Years	Status
	<b>Minor Research Projects</b>				
1	Fr.Dr.S.Emmanuel.sj.,	Micropropagation of Syzygium cumini and callus induction for the enhancement of secondary metabolites	Rs.90,000.00	2005-2007	Completed
2	Dr.J.Chandrasekhara Rao	Biological treatment of synthetic dye water and industrial waste containing Azodye compound	Rs.90,00.00	2005-2007	Completed
3	Dr.G.Sambasiva Rao	National integration in modern Telugu poetry	Rs.80,000.00	2005-2007	Completed
4	Dr.N.V.Ramana Murthy	Neat- injective Envelopes of commutative Rings	Rs.30,000.00	2005-2007	Completed
5	Dr.Nunna Srinivasa Rao	Performance of Linear Classifier in the presence of Correlation in pattern recognition	Rs.80,000.00	2005-2007	Completed
6	Dr.Ch.Sreerama Chandra	Post independence	Rs.70,000.00	2005-	Completed



	Murthy	of art of Avadhanam in Andhra Pradesh		2007	
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**15. Details of research scholars:**

As per the rules and regulations governing the college by the AP State Council of Higher Education (APSCHE) and the Acharya Nagarjuna University do not permit the College to run regular M.Phil and Ph.D programmes. However, few faculty members are recognized research directors.

**16. Citation index of faculty members and impact factor:**

**17. Honors/Awards to the faculty:**

1. Fr.Dr.A.Francis Xavier, SJ, Principal, has been appointed a Member of ICET Committee for conducting ICET 2011 examinations by the Chairman, AP State Council of Higher Education.
2. Prof.Dr.Durga P.Ojha received the Indian Leadership Award for Education Excellence from *Indian Economic Development & Research Association*, New Delhi on 26<sup>th</sup> August 2010 in recognition of his outstanding services to society and excellence in the chosen field of activity (Science & Technology) on *National Basis*.
3. Prof.Dr.Durga P.Ojha received the Chigurupati Sudheekshan Science and Technology Award 2010 by *Sudheekshan Foundation*, Vijayawada, on 18<sup>th</sup> August 2010.
4. Rev Fr Rex Angelo, S.J., Dept. of English, who attended a Refresher Course in Telugu Literature–Translation held from 16.09.2010 to 06.10.2010 at Acharya Nagarjuna University, has been awarded the Best Participant prize and presented with a Certificate of Merit.
5. The research paper presented by Sri T Srikumar, Dept. of Physics, titled “structural investigations and physical properties of  $\text{Li}_2\text{O-Nb}_2\text{O}_5\text{-ZrO}_2\text{-SiO}_2\text{:V}_2\text{O}_5$  glass system” in the International Workshop and Symposium on the Synthesis and Characterisation of Glass/Glass-ceramics (IWSSCGGC-2010) was adjudged the Best Research Paper at Centre for Materials for Electronics Technology, Pune. (7-10 July 2010)
6. Dr.V.Vallabha Rao, Dept. of Hindi, has been appointed as a member of Board of Studies, P.G. Department of Hindi, Acharya Nagarjuna University for a period of 3 years from 2010-11 and as University Nominee by Krishna University for Hindi Board of Studies at Maris Stella College, Vijayawada, for a period of two years from 2010-11.

7. Dr.R.Ravindra Bhas, Dept. of Telugu, has been appointed the Selection Committee member for Nehru Yuvak Kendra, Vijayawada and has been appointed Resource Person for District Youth Welfare Department.
8. Dr.M.Srinivasa Reddy, Dept. of History, has been selected by Telugu Akademy, Hyderabad, in June 2010 to author a book on History of Modern World for third year degree students.
9. Dr.B. Venkateswara Rao, Dept. of Chemistry, has been appointed Member, Board of Studies of Chemistry, PB Siddhartha Arts and Science College, Vijayawada.
10. Dr.G.V. Ramana, Dept. of Chemistry, has been appointed member, Board of Studies of Chemistry, VSR and NVR College, Tenali and also of KBN College, Vijayawada.
11. Dr.M.Srinivasa Reddy, Dept. of History, served on the Editorial Board for the 34<sup>th</sup> proceedings volume of the AP History Congress for the year 2010-11.

**18. Internal resources generated:**

The college generates income through internal resources through play grounds and auditorium.

**19. Details of departments getting SAP, COSIST(ASSIST)/DST. FIST, etc. assistance/recognition:**

**20. Community services:**

N.C.C.:

**Air Wing:**

Squadron Leader K.V. Vijaya Babu attended the Annual Training Camp-X in Nuzvid which was held from 16<sup>th</sup> August 10 to 25 August 10 and discharged the duties of the Deputy Camp Commandant.

**Achievements**

1. Cadet P. Aashik (AGH-17) attended the Republic Day Camp 2011 in New Delhi and took part in the famous Raj Path march.
2. In the prestigious All India Vayu Sainik Camp held from 19<sup>th</sup> to 31<sup>st</sup> October 2010 at Bangalore, Cadet M Uday Bhaskar and Cadet P Ramya Krishna secured second position in the Control Line Speed Category (aero modeling) and were awarded silver medals. Cadet M. Uday Bhaskar was also awarded a bronze medal in .22 (point two two) range firing.

3. In the state level Aero modeling event held as part of the Inter Group competitions at Warangal from 07<sup>th</sup> to 16<sup>th</sup> September 2010, Cadet M Uday Bhaskar and Cadet P Ramya Krishna secured first position in the Control Line Speed Category (aero modeling) and were awarded gold medals. Cadet M. Uday Bhaskar also achieved a rare feat by winning another gold medal in .22 (point two two) range firing and also a silver medal in Skeet Shooting competitions. This is the first time that a cadet secured so many positions in different competitions at the IGC level.

### **Army Wing:**

The Army Wing led by Capt. R.Ravindra Bhas, ANO, conducted several social service activities besides taking part in regular camps held at various places. The notable among the activities is participation by the cadets in the Queen's Baton Relay organized by the Distinct Sports Authority and the Krishna District Olympic Association on 17<sup>th</sup> August 2010. Other important activities undertaken include participation in a special drive for identification of domestic child labour on 22<sup>nd</sup> and 23<sup>rd</sup> June 2010 wherein they rescued over 200 children, AIDS awareness and environment awareness programmes.

### **Naval Wing:**

1. Lt .M.Arokiasamy served as Officer-in-charge at the Detachment Camp (July 10-19) held at Vijayawada to give special training on Boat pulling, Sailing, Swimming, Semaphore, Drill and Firing to the Inter Group Competition (IGC) team.
2. Sri B.John, Lecturer in Zoology, has been appointed Caretaker of Division II of ALC Naval Wing.

### **Achievements:**

Cdt Sai Sindhu (AML 46) won the **gold medal** in firing and Cdt G.Amani (AML 18) won the first place in debate at Group CATC-VI camp held at Nuzvid from 16 to 25<sup>th</sup> November 2010.

### **3(A) Remount & Veterinary Regt, Wing:**

#### **An Article for NCC Journal:**

Lt.N.Suresh Babu, has written an article title "My experiences of flood relief activities" to the NCC Journal called The Cadet coming from New Delhi.

### **Combined Annual Training Camp-V (CATC-V) (26-10-2010 to 06-11-2010):**

Lt.N.Suresh Babu, ANO, acted as Deputy Camp Commandant, Adjutant, Camp Accounts Officer in the CATC-V from 26-10-2010 to 06-11-2010. All the 80 Cadets of our college have participated in this camp.

### **Achievements in the Camp:-**

- 1) Andhra Loyola College has won the **Best Contingent** award for the second time in a row.
- 2) J.U.O. Samuel (NZ-16) won the **Best Cadet** award in this camp.
- 3) Our college won the **first place** in Volleyball, second place in group dance, special prize in group singing.
- 4) CPL K.Karun Kumar (RMY-68) has won the second place in both 100mts & 200mts running competition in this camp.
- 5) Cadet Niraja (TB-53) won the **first place** in 100 mts and second place in 200 mts running competition held in the camp.

**National Service Scheme (NSS):** Andhra Loyola College has three NSS units led by Programme Officers - Dr.D.Kruparao, Unit-I Boys wing, Sri K.Adam, Unit-II Boys wing and Ms.N.Nirmala Mary, Unit III - Girls wing.

Regular annual activities from July 2010 to February 2011 as well as special camps in Enikepadu and Prasadampadu from 1<sup>st</sup> to 7<sup>th</sup> December 2010 have been conducted under their leadership. Our NSS-volunteers participated in food relief services, AIDS awareness programmes, child labour preventive drives, environmental awareness programmes, distribution of pamphlets on Human Rights, Literacy Day, Women's Day, planted fruit and shady saplings, attended input sessions/workshops organized by Indian Red Cross Society, National Child Labour Project, Care and Share, NSS-unit of NTR University of Health Sciences, Vijayawada.

### **Andhra Loyola Extension Services for Rural Transformation (A.L.E.R.T):**

As part of ALERT Program's extension services, 643 students did extension services in Autonagar slums, Kanur, Ramalingswar nagar, Tharakarama nagar, Vambay colony, Kandrika, Ramavarappadu and Carmel Nagar communities.

**Blood Donation Camp:** On 27<sup>th</sup> November 2010, 81 volunteers donated blood to Indian Red Cross Society and the NSS volunteers who donated blood last year were presented with certificates signed by the Governor of Andhra Pradesh.

### **Delegates of Value Education (DOVE): A Students' Initiative under the Department of Ethics and Religion**

Delegates of Value Education (DOVE) - a Students' Initiative, under the aegis of the Department of Ethics and Religion was inaugurated on 12.11.2010 with the primary objective of practicing the values they learned in the Value Education curriculum in the I and II year of their course.

### **Activities undertaken:**

1. DOVE also visited the Juvenile Delinquents Home at Singh Nagar on 12<sup>th</sup> September 2010 and interacted with the children put under observation.
2. On 30<sup>th</sup> September 2010, DOVE visited the round-the-clock shelter of street children, of Nav Jeevan Bal Bhavan. The members met the children and interacted with them.
3. About 40 members of DOVE spent a day with the residents of “Chiguru” a home for the street children, on 17<sup>th</sup> November 2010.
4. DOVE visited the special train on 12<sup>th</sup> September 2010 at Vijayawada railway station, the train commemorating the centenary celebrations of Rabindranath Tagore.

**21. Teachers and officers newly recruited:**

**New officials:**

1. Dr.V.Vallabha Rao, Head, Dept. of Hindi, is appointed Vice Principal (Degree) with effect from 10<sup>th</sup> June 2010.

I thank immensely Sri KV Vijaya Babu for his effective and affectionate services rendered to the college and student community for two years as the Vice Principal of Degree sections.

2. Rev Fr.M.Louie Doss, SJ, joined the Department of English as Lecturer in June 2010 and he is also the Director of New Hostel.

**New Appointments:**

During this academic year, as many as thirty teaching staff have been recruited in the Degree and Intermediate sections, fifteen in the Postgraduation section. Seven non-teaching staff have also been recruited.

**22. Teaching – Non-teaching staff ratio:**

The ratio of the teaching to non-teaching staff is 2:1

**23. Improvements in the library services:**

An extensive range of the subjects have been added to the existing collection. They vary from ordinary collection of textbooks to prestigious volumes on varied subjects like Nano-Technology, Marketing, e-commerce, Business History, Biotechnology and Bio-informatics.

Gordon Library e-learning centre is providing access to UGC INFLIBNET – N-List, e-Journal Consortia.

The Gordon Library celebrated National Library Book-Week during 14-20 November, 2010.

### **LIBRARY BUDGET / UTILISATION DETIALS**

Funds Utilised to Purchase books:

(a) Special Fee Fund	Rs.	22,438.00
(b) Management Grant	Rs.	32,355.00
(c) C.P.E.	Rs.	3,49,228.00
(d) Management Grant	Rs.	91,248.00
<b>Total</b>	Rs.	<b>4,95,269.00</b>

#### **24. New books/journals subscribed and their value:**

1710 books were purchased and added to the existing collection of 65,000. 162 Journals & magazines were procured/renewed by spending Rs. 4,95,000-00. Online access for many journals is available in e-learning centre.

#### **25. Courses in which student assessment of teachers is introduced and action taken on student feedback:**

In all the Courses, the feedback of the faculty by the students is collected in a prescribed format. The feedback is analysed and remedial measures are taken by the management.

#### **26. Unit cost of education:**

The unit cost of education is:

For B.A.	: Rs. 4400.00
B.Com.	: Rs. 5500.00
For B.Sc. (Aided)	: Rs. 5300.00
For B.Sc. (Unaided)	: Rs.15000.00

#### **27. Computerization of administration and the process of admissions and examination results, issue of certificates:**

Computerization of administration: The administrative offices are fully computerized. Each administrative section has been equipped with a computer with a printer and

most of the information is computerized and processed. Fees collection, scholarships, financial management, personnel management, academic administration and attendance are also computerized.

**Process of admission:** The College has got a well-structured admission policy in line with the State Government and UGC norms applicable to the minority institution.

**Examination results:** The examination results are kept on the website for an easy access to the students.

## **28. Increase in the infrastructural facilities:**

As the college grows and every year new courses are introduced and new ones are revamped, it tries its best to give maximum facilities to the students and staff. The infrastructural facilities that have been added to the college in the reporting year are:

- A small building to take care of the student amenities with 5200 Sq.ft has been added. The ground floor consists of five spacious rooms to render multiple services to the students such as classrooms etc. The second floor contains:
  - A Dayscholars' Hall for boys with a plinth area of 1800 sq.ft.;
  - An Indoor Games' Room with an area of 1350 sq. ft. and

### **THE LOYOLA ELT RESOURCE & RESEARCH CENTRE**

The Department of English, Andhra Loyola College, has established an ELT center named 'The Loyola ELT Resource and Research Centre.' Functions of the Centre - Organizing professional development programmes, such as workshops, seminars, conferences, symposia, and debates, for teachers of English at different levels. - Providing consultancy by lending the expertise of the Centre to institutions (schools, colleges, etc.) which seek the help/guidance of the Centre in organizing professional development programmes, such as workshops and seminars, for their English teachers. - Organizing academic programmes, such as seminars and workshops on areas of special interest (e.g. soft skills, English for career development) for students. Lending the expertise of the Centre to institutions which seek the help / guidance of the Centre in organizing academic programmes, such as seminars and workshops, for their own students.

- Developing materials for teaching English at different levels, including materials for teaching English for specific purposes.

- Publishing ELT materials.
- Publishing an ELT journal.
- Conducting research in ELT – both scholastic / academic research and action research with the emphasis on the latter.
- Undertaking, guiding and supporting projects in ELT.
- Organizing / Conducting any other programme designed to enhance the quality of teaching and learning in the English classroom. In carrying out the above functions, the Centre will draw upon the support of not only Andhra Loyola College but also individuals, organizations (such as the UGC, EFL University, and the British Council), and professional associations such as The English Language Teachers' Association of India (ELTAI) and the International Association of Teachers of English as a Foreign Language (IATEFL) who / which are interested in promoting the learning and teaching of the English language.

**Activities organized by the Loyola ELT Centre:**

1. The 3-year-old Loyola ELT Centre, which was established for the express purpose of contributing to professionalism in English Language Teaching (ELT) and which functions with Dr P Ramanujam as its Director, has rendered significant services in this academic year:
2. The Centre has been visited by a number of English teachers from different schools, colleges and universities both for availing themselves of the ELT resources and expertise at the Centre and for advice on ELT research.
3. It conducted, in association with the Forum of Free Enterprise, Mumbai, the 46th Memorial Elocution Contest on 21 August 2010 and the 54th All-India Essay-Writing Contest.
4. It held a 2-day intercollegiate poetry festival (August 27-28, 2010), which was sponsored by *The Hindu* newspaper.
5. It launched a literary forum called 'Loyola Literary Society' on August 28, 2010 for promoting enlightened ideas and opinions and nurturing creative and critical talents.
6. It organised a 3-day Business English Certificate workshop from 6 to 8 October 2010 in association with the British Council. The workshop, known as the British Council Teacher Support Programme, was facilitated by Dr CLN Prakash, Training



Consultant, British Council, and Mr Ashish Goyal, Education Information Officer, British Council.

## **29. Technology up-gradation:**

**Television Production Studio.** A state-of-the-art sound proof studio is now ready for use, equipped with a Production Control Room and a Post-Production Suite. High-end professional cameras like Panasonic 3CCD, Panasonic 2CCD, Panasonic 1CCD and Sony 3CCD Digital cameras are used. Lighting equipment includes three tier platforms for lighting, overhead moveable lighting grid, cool floods, spot lights, tungsten, Baby lights and shadow caster. It has a spacious shooting floor where multi-camera set up can be laid, to create different kinds of sets the floor is provided with portable soft boards.

**Sound Studio.** Facilities include a music/song recording, lapels and dynamic microphones, 12-channel mixer and monitor. The studio is equipped with the most modern and sophisticated equipment. The elegance of analogue recording, a traditional method of audio post production is blended with the most advanced digital recording technologies for flexibility of an artist. The allied technologies like acoustics and electronics are well built for perfect recording ambience. Students are trained in everything from on-location recording, studio recording, film dubbing and final sound mixing on state of the art consoles.

**Editing Suite.** The edit suite is equipped with a non-linear edit bay provided with high-end systems. The Non-Linear Editing section consists of Avid DV Xpress Pro, Final Cut Pro and Adobe Premiere Pro setups. The students are given to work on these systems for complete professional hands on experience for meeting the present editing advancements.

**Photo Lab.** The Photo studio is established for the purpose of Still-Photography. The Photo studio gives a wide scope for students to get trained in both manual and digital Photography. The studio is equipped with professional lights, SLR cameras including a Nikon F90X, Sony digital camera with digital flash meter and tripods and a vast array of props. This photo studio is used for indoor photography like table top, modeling photography and many other

creative projects. It is provided with blue and green matte for having convenient and favorable backgrounds of the shoot in later stages of post-production.

**ICT Lab.** ICT lab is an air-conditioned lab extensively established for graphic designing. Students can develop a strong creative sense and are trained to be suited for a career in graphic design. Students work on everything from design layouts to multimedia production. They work on software like Photoshop, Corel Draw, Illustrator, PageMaker, Dream weaver and Flash. The Graphic Design and Multimedia paper prepares students for jobs in the graphic design and multimedia industry.

### **30. Computer and internet access and training to teachers and students:**

All the departments are computerized and internet facilities are available. The faculty utilizes the internet facility to surf the latest course material on subjects. The students also use the internet for preparing their seminars and group projects. The ICT Centre is frequently used by both faculty and students in the preparation of e-lessons and PowerPoint Presentations. The science faculty makes use of the computers for computer aided simulations to apply the concepts and deepen the theoretical knowledge of the students.

### **31. Financial aid to students:**

The college management continues to support the poor boys by way of scholarships and earn while you learn programme. It is in accordance with the preferential option of the management for the poor and marginalized. Under the assistance programme, the needy students undertake a variety of developmental programmes on the campus. The college contributes generously towards the cause tuning to a total amount of Rs.7.00 lakhs.

### **32. Activities and support from the Alumni Association:**

**ALCAA School Building:** The long cherished dream of ALCAA to build a school for the poorest of the poor has come true. The ALCAA school building was inaugurated by Sri Lagadapati Rajagopal, MP, on 7<sup>th</sup> November 2010. The school building is located behind the Girls Hostel on the college campus. Sri Rajagopal, who himself donated Rs.25 lakhs for the school, emphasised the need to extend good educational opportunities to the children from economically backward sections. Later, the donors who contributed for construction of the ALCAA school were felicitated by the ALCAA. Andhra Loyola College acknowledges with gratitude the generosity of the former students towards the alma mater.

### **33 Activities and support from the Parent-Teacher Association:**

The college is known for its openness and attentiveness in interaction between the parents and the teachers. Regular interaction is made possible through different occasions. Towards the end of the academic year 2010-11, a formal interaction for a day was arranged between the parents and the teachers to get feedback on five areas of the college education

such as infrastructural aspects, academic aspects, campus life, co-curricular aspects and extra-curricular activities. The parents' feedback was excellent on all the aspects of the education and suggested for full day college life.

**34. Health services:**

Regular health check up is conducted for the first year students. For immediate and major health attention, the students are sent to St. Ann's Hospital, which is in the reachable distance and accommodates our students in a special ward.

**35. Performance in Sports Activities:**

**Sports and Games:**

Three of our students viz. Sudhakar, II B.Com., P.Joseph Dasan, III B.A., Manikanta Reddy, I B.A., represented ANU Soft Ball team which won the **gold medal** at the All India Inter varsity Soft Ball Tournament 2011 held at the Acharya Nagarjuna University. held from 20<sup>th</sup> to 26<sup>th</sup> January 2011. This is the first time that our college students representing the university team won the Gold Medal at the All India level competitions.

**Hockey:** Andhra Loyola College Hockey Team **won the first place** in the ANU inter-collegiate tournament held at SRR College on 07<sup>th</sup> November 2010

**Body building:** Sai (DB 26) won the **gold medal** in best physique 85 kg category and was adjudged Mr.Nagarjuna 2010 at the ANU inter-collegiate Best Physique championship. Bhavani Prasad, I MCA, also won the **gold medal** in the best physique 90 kg category. Mr.Sai and Mr.Bhavani Prasad won the **gold medal** in the State Level Best Physique Competition held at Visakapatnam and were selected for South India to participate in all India competitions. Mr.Sanji, III year, won the bronze medal in the 80 KG Category. Mr.M.Sai and Mr.Sanjay represented Acharya Nagarjuna University in the all India inter University best Physic Competition

**Soft ball:** Our Soft Ball team won the **first place** in the ANUIC Soft Ball tournament and was adjudged the outstanding team.

**Athletics:** Asha Jyothi was declared the **fastest woman** of Acharya Nagarjuna University Intercollegiate Athletic Championship.

**University Representation:** Eight of our students, the largest contingent selected from a single college, have been selected to represent Acharya Nagarjuna University in the South Zone and All India Inter University Meets.

**Hockey:** Madhusudhan Rao (III BA)  
**Basket Ball:** Jampa (III B.Com)  
**Soft Ball:** Sudhakar (II B.Com); .Joseph (III B.A.) &.Manikanta Reddy (I B.A.)  
**Best Physique:** M.Sai (III B.Sc) & Sanjay (III B.Sc.)  
**Cricket:** Vidya Sagar (III B.Sc.)

**Placement services provided to students:**

This academic year records an unprecedented demand for the degree students by a wide range of IT, BPO and Manufacturing Companies for recruitment. Due to the large number of companies desiring to recruit our students, we had to limit the number and permit only a few prestigious companies. The companies that came for the on campus and off campus placements are: GENPACT, FIRST SOURCE, WIPRO, INFOSYS, SYNTEL, SATYAM, TCS, THERMAX, ITC-BHADRACHALAM, 24/7 COMPANY, IMS, etc. Our college has organized and conducted a mega event of campus recruitment for Satyam Computer Services Ltd. Hyderabad on 13th and 14th November 2007. Candidates from 48 NAAC accredited colleges from four University areas spread over 7 districts participated. In this event, 58 students from 17 colleges found placement in Satyam as Programmer Trainees.

No.	Name of the Company	Nature of the Company	No. of Students placed
1	INFOSYS BPO	Software	42
2	GENPACT BPO		28
3	SATYAM	Software	07
4	FIRST SOURCE BPO		05
5	SYNTEL	Software	09
6	TCS	Software	02
7	WIPRO	Software	04
8	THERMAX	Manufacturing	01
9	IMS LEARNING SYSTEMS	Career Development	02
10	24/7 COMPANY BPO		02
11	ITC, Bhadrachalam	Paper Manufacturing	03
<b>Total No. of Placements</b>			<b>105</b>

The Jawahar Knowledge Centre (JKC), an initiative of the State Government and monitored by the Commissioner of Collegiate Education, started functioning in our college. It s a boon to the degree students in imparting training and providing placement in a number of IT and Non-IT companies. Dr.G.Venkateswara Rao, Reader in Physics is the Coordinator.

**Career Awareness and Recruitment Drive (CARD):** Andhra Loyola College hosted the APSCHE-sponsored Career Awareness and Recruitment Drive (CARD) on 18.07.2010. Nearly 2000 students from different colleges in and around the city

made use of the programme. Major corporate companies viz. India Infoline, Accenture, Infosys, Amazon, HCL Technologies, Reliance BPO, Technosoft Solutions, Bajaj Allianz, ING Vysa, Ascent Consulting Services, Synchroserve, Coherence Consulting and Efftronics participated in the job mela. Prof.K.C.Reddy, Chairman, APSCHE, Prof.Y.V.Haragopal Reddy and Prof.M.K.Durga Prasad, Vice Chancellors of Acharya Nagarjuna University and Krishna University respectively, Prof.K.Viyanna Rao, Rector, ANU and Prof.MVN Sarma, Registrar, ANU, Fr.Dr.A.Francis Xavier, SJ, Principal, ALC, and the CARD Coordinator, spoke on this occasion.

### **36. Development programmes for non-teaching staff:**

The Non-Teaching Staff was trained on regular basis by the senior most staff as and when the need arose on various concerns related to their functioning to increase their efficiency and effectiveness.

### **37. Healthy practices of the institution**

The college not only promotes academic excellence but also the holistic formation of students. Therefore, it not only keeps its focus on the curriculum, but also on the co-curricular and extra-curricular activities. With this objective it follows a number of healthy practices a few of which are enlisted as below:

#### **Academic activities:**

- The college brings out a handbook regularly with academic calendar and the general information about the admission, exams, discipline, staff, committees, etc.
- The college celebrates every year college day and sports day to encourage the spirit of creativity and academic & cultural excellence among the students and the staff.
- The college celebrates freshers' day and valedictory day.
- Career guidance to students is imparted to the students on a regular basis, particularly this year through the career guidance and counseling cell.
- A Mentoring system is being reflected to introduce at full length in the next year.
- Two days of prayer service cum retreat is arranged for the catholic students and the Christian students.

#### **Value education of the students:**

- Value education is an integral part of the core-curriculum. It is imparted through a syllabus approved by the Board of Studies and the Academic Council. A pass in this course is obligatory for award of degree.
- Apart from this course on Value Education, all the first year students have a compulsory paper on Indian Heritage and Culture, which exposes them to the rich and varied cultural traditions of our country.

- Similarly, all the second year students have a compulsory paper on Science and Civilization. It enables them to remain more humane and civilised citizens of the country in the midst of present day rapid technological advances which focus more on machine than on man.

#### **Inculcating civic responsibilities among the students:**

- To inculcate civic responsibilities among the students, the college conducts an annual rally with specific themes. The recent ones being Sadhbhavana Rally for religious harmony, Solidarity Rally for expressing solidarity with Armed forces of the country and Loyola Run to inculcate traffic sense. The above rallies not only remind the students of their civic responsibilities but also infuse a civic sense among the public.
- Apart from these rallies, the cadets of NCC and the volunteers of NSS regularly participate in law and order arrangements for public functions and regulation of traffic at important road junctions, which in turn inculcate in them a civic sense.

#### **All-round development of the students:**

- Co-curricular activities play an important role on the campus. The individual departmental associations organise workshops, seminars, and group discussions. These promote among students self-reliance and an ability to work with others as members of a team.
- The physical well being of the students is also taken care of through sports and games. Loyola could boast of a number of playing fields and sports facilities.
- The college also encourages an active participation of students in various cultural activities. Annual cultural festivals such as Sphoorthi were organised to bring out the hidden talents of students in drama, art and music.
- The college considers inculcation of proper values as an integral part of the student's personality development. Apart from the course on Value Education, the very ethos of the college enables students to imbibe the values of discipline, hard work, cooperation and team spirit, tolerance and communal harmony.
- The college also believes that faith formation is essential for the integral formation of students. Apart from the religious instruction, discourses by various religious leaders, and celebration of common religious and national festivals promote the faith formation of students. "To be rooted in one's own faith and yet remain open to other faiths" is an important ideal of the college, which is trying to foster inter-religious understanding and communal harmony among the students. The daily schedule starts by all means with a short prayer.

- Compassionate concern for the weak and marginalised is an essential part of the overall development of the students. Hence students are engaged in various out-reach programmes and actively participate in the leadership programmes conducted by AICUF with this specific objective in view.

So a student goes out of the institution with a sense of self-reliance, discipline and hard work and becomes not only self-oriented but also society oriented.

### **Students' achievements:**

1. Surya Prakash (DO 53) and Felix Raja (DO 88) won the **First Position** in the event Nirmaan Inc at the Integro Hoi Polloi - National Level Inter-collegiate Literary and Cultural Fest conducted at Bhadruga College of Commerce, Hyderabad, from 15<sup>th</sup> to 17<sup>th</sup> July 2010.
2. J Vijay (DO 06) won the **First Position** in the event Matkala at the Integro Hoi Polloi - National Level Inter-collegiate Literary and Cultural Fest conducted at Bhadruga College of Commerce, Hyderabad, from 15<sup>th</sup> to 17<sup>th</sup> July 2010.
3. Vijay Kumar (DO 06) won the **First Position** in the event Kalakriti at the Integro Hoi Polloi - National Level Inter-collegiate Literary and Cultural Fest conducted at Bhadruga College of Commerce, Hyderabad, from 15<sup>th</sup> to 17<sup>th</sup> July 2010.
4. Naveen (NOC 08) won the **First Position** in the event AD APT at the Integro Hoi Polloi - National Level Inter-collegiate Literary and Cultural Fest conducted at Bhadruga College of Commerce, Hyderabad, from 15<sup>th</sup> to 17<sup>th</sup> July 2010.
5. I Vamsi (DEC 03) and T Divya (DEC 11) participated in the Techno Meet 2010 conducted by the Department of Computer Science & Electronics, Maris Stella College, Vijayawada, on 29.07.2010 and won the **First Prize** in the Quiz competition
6. P Naresh (II BA) won the **First Place** in the event Elocution at the Acharya Nagarjuna University Inter-Collegiate Youth Festival 2010-11 held from 12<sup>th</sup> to 14<sup>th</sup> August 2010.
7. JS Rajiv Kumar (III BA) won the **First Place** in the event Classical Instrument Solo at the Acharya Nagarjuna University Inter-Collegiate Youth Festival 2010-2011 held from 12<sup>th</sup> to 14<sup>th</sup> August 2010.
8. Ms.P.Niveditha (DBN 13), Ms.M.Vijaya Mary (DBM 8), Mr.R.Pratap Reddy (DBC 7) and Mr.K.Venkat (DBC 13), won the **First Prize** in Calcium Rich Recipe contest held at the State Level Workshop on Osteoarthritis and Life style management organized by the Department of Applied Sciences, CH.S.D.ST.Theresa's Autonomous College for Women, Eluru, on 2<sup>nd</sup> September 2010.

9. P.W.Wilson Rasario won the **First Prize** in four events viz. Inter-Collegiate Physics Quiz, Paper Presentation on “Nuclear Energy”, Extempore and One Minute Talk at the Inter Collegiate Physics Students Meet 2010 organized by the Department of Physics, Maris Stella College, Vijayawada, on 3<sup>rd</sup> September 2010.
10. K Neelima won the **First Prize** in the event Inter-Collegiate Physics Quiz at the Inter Collegiate Physics Students Meet 2010 organized by the Department of Physics, Maris Stella College, Vijayawada, on 3<sup>rd</sup> September 2010.
11. P Jeevan Kumar (DGH 20) won the **First Prize** for the paper presentation on “Potentialities of Andhra Tourism” that he made at a Student Level Seminar on Travel and Tourism organized by JMJ College for Women, Tenali, on 16<sup>th</sup> September 2010.
12. Felix (DO 88) won the **First Prize** in the event Quiz at AURA 2010 - State Level Youth Fest organized by CH.S.D.ST.Theresa’s Autonomous College for Women, Eluru, on 17<sup>th</sup> September 2010.
13. P.Naresh. II B.A., won the **Gold Medal** in the State Level Inter-collegiate Debating Competition in English, conducted by the Debating & Quiz Club, KBN College, Vijayawada, on 30<sup>th</sup> October 2010.
14. Ch.Surya Prakash (DO 53) won the **First Prize** in the event Caption Writing and Second Prize in Case Study at Samyak 2010 - a National Level Management Meet, conducted by K.L. University, Guntur, on 8<sup>th</sup> & 9<sup>th</sup> October 2010.
15. P.Naresh. II B.A., and A.Antony Prabhu, (DEC 28) won the **First Prize** in the State Level Inter-collegiate Debating Competition in English, conducted by the Debating & Quiz Club, KBN College, Vijayawada, on 30<sup>th</sup> October 2010.
16. P.Naresh. II B.A., won the **First Best Speaker Prize** in the State Level Inter-collegiate Debating Competition in English, conducted by the Debating & Quiz Club, KBN College, Vijayawada, on 30<sup>th</sup> October 2010.
17. Felix, G.Naveen Kumar, R.P.Mahindra Singh and J.Vijaya Kumar won the **First Prize** in the event Product Launching at Brainstormers’ 10, a University Level Inter-collegiate Management Meet held at Nalanda Degree College, Vijayawada, for the undergraduate Commerce and Management students on 30<sup>th</sup> October 2010.
18. G.Naveen Kumar won the **First Prize** in the event Personality Contest at Brainstormers’ 10, a University Level Inter-collegiate Management Meet held at Nalanda Degree College, Vijayawada, for the undergraduate Commerce and Management students on 30<sup>th</sup> October 2010.
19. CH.Surya Prakash won the **First Prize** in the Elocution Competition held on the occasion of Observance of Vigilance Awareness Week, organized by the Income Tax Department, Vijayawada, from 25.10.2010 to 01.11.2010.



20. Felix, Nagendra and Ashok won the **First Prize** in the event Business Quiz at Brainstormers' 10, a University Level Inter-collegiate Management Meet held at Nalanda Degree College, Vijayawada, for the undergraduate Commerce and Management students on 30<sup>th</sup> October 2010.
21. P Naresh (II BA) won the **First Prize**/Appreciation in the event Nice To Meet You at the Inter-Collegiate competitions conducted by AGKM College, Sattenapalli, on 11<sup>th</sup> November 2010.
22. S Vijay (I BA) won the **First Prize**/Appreciation in the event Elocution in English at the Inter-Collegiate competitions conducted by AGKM College, Sattenapalli, on 11<sup>th</sup> November 2010.
23. S.Asha Jyoti (DOC 25) won the **First Place** in the 100 mts and Second Place in 200 mts in the Acharya Nagarjuna University Inter-Collegiate Competitions held at U.C.P. & S.S., A.N.U. from 14.12.2010 to 16.12.2010.
24. Srikanth, (DCM 28) secured the **First Place** in Extempore in Techno Meet -2010 conducted by Maris Stella College, Vijayawada, on 29<sup>th</sup> July 2010.
25. Srikanth, (DCM 28) secured **First Place** in the Paper Presentation in E-Zone 2010 organized by Nalanda College, Vijayawada, on 27<sup>th</sup> November 2010.
26. M. Bindu sowjanya (NML-48) got special prize in group dance at Srujunothsav held on 08.11.2010 by PB Siddhartha College, Vijayawada.
27. S. Karunakar (AML-06) got **First prize** in Essay Writing English on topic "Eye Donation Awareness" conducted by Swetcha Gora Eye Bank, Vijayawada.
28. S.P.Felix Raja, Naveen Kumar, Nagendra Sai, J.Lakhan, won the **First Prize** in CAMSFEST organized by VS Women's Degree College, Kakinada, on 03.12.2010.
29. J.Divya, V.Geetha Rani and B.Naga Sai Madhuri won the **First Prize** in Quiz at SPARK 2010 organized by the Department of Electronics & Comp.Science, Nalanda Degree College, Vijayawada, on 13.12.2010.
30. Ashok (DO 29) won the Second Position in the event Facets at the Integro Hoi Polloi - National Level Inter-collegiate Literary and Cultural Fest conducted at Bhadruga College of Commerce, Hyderabad, from 15<sup>th</sup> to 17<sup>th</sup> July 2010.
31. Ashok Kumar (DO 29) won the Second Position in the event Matkala at the Integro Hoi Polloi - National Level Inter-collegiate Literary and Cultural Fest conducted at Bhadruga College of Commerce, Hyderabad, from 15<sup>th</sup> to 17<sup>th</sup> July 2010.

32. Surya (DO 53) and Ashok (DO 29) won the Second Position in the event AD APT at the Integro Hoi Polloi - National Level Inter-collegiate Literary and Cultural Fest conducted at Bhadruga College of Commerce, Hyderabad, from 15<sup>th</sup> to 17<sup>th</sup> July 2010.
33. Vijay (DO 06) won the Second Position in the event Facets at the Integro Hoi Polloi - National Level Inter-collegiate Literary and Cultural Fest conducted at Bhadruga College of Commerce, Hyderabad, from 15<sup>th</sup> to 17<sup>th</sup> July 2010.
34. CH Surya Prakash (III B.Com.) and P Naresh (II BA) won the Second Place in the event Debate at the Acharya Nagarjuna University Inter-Collegiate Youth Festival 2010-11 held from 12<sup>th</sup> to 14<sup>th</sup> August 2010.
35. Venkatesh, Uday, Ijaz Khan, Sai, Surya of II B.Sc., won the Second Place in the event Mime at the Acharya Nagarjuna University Inter-Collegiate Youth Festival 2010-11 held from 12<sup>th</sup> to 14<sup>th</sup> August 2010.
36. S.Rajesh and J.Ravindra won the Second Prize in Calcium Rich Recipe contest held at the State Level Workshop on Osteoarthritis and Life style management organized by the Department of Applied Sciences, CH.S.D.ST.Theresa's Autonomous College for Women, Eluru, on 2<sup>nd</sup> September 2010.
37. K Neelima won the Second Prize in the event Extempore at the Inter Collegiate Physics Students Meet 2010 organized by the Department of Physics, Maris Stella College, Vijayawada, on 3<sup>rd</sup> September 2010.
38. S Sakunth Kumar (AGH 01) won the Second Prize for the paper presentation on "Government Policies on Tourism" that he made at a Student Level Seminar on Travel and Tourism organized by JMJ College for Women, Tenali, on 16<sup>th</sup> September 2010.
39. Neelam Kerkelto (NGH 19) won the Second Prize in the event Quick Talk (English) at AURA 2010 – a State Level Youth Fest organized by CH.S.D.ST.Theresa's Autonomous College for Women, Eluru, on 17<sup>th</sup> September 2010.
40. K Ravi Kumar (NVC 07) won the Second Prize in the events Quick Talk & Block & Tackle (Telugu) at AURA 2010 – a State Level Youth Fest organized by CH.S.D.ST.Theresa's Autonomous College for Women, Eluru, on 17<sup>th</sup> September 2010.
41. S Karunakar (NVC 07) won the Second Prize in the event Block & Tackle (Telugu) at AURA 2010 – a State Level Youth Fest organized by CH.S.D.ST.Theresa's Autonomous College for Women, Eluru, on 17<sup>th</sup> September 2010.
42. Sk.Noor Basha (AO 82), T.N.Priyanka (AOC 36), M.Divya (AOC 37) and G.Ashok (DO 85), stood winners in the event Group Dance at Magnova-2010 - a South India

- Level Management Fest organized by Students Association of Management Studies, P.B.Siddhartha College of Arts & Science, Vijayawada, on 17<sup>th</sup>-18<sup>th</sup> September 2010 and were presented with a Certificate of Merit in recognition of their talent.
43. CH.Surya Prakash (DO 53), G.Naveen Kumar (NOC 08) and J.Lakhan (NOC 08) stood winner in the event HR at Magnova-2010 - a South India Level Management Fest organized by Students Association of Management Studies, P.B.Siddhartha College of Arts & Science, Vijayawada, on 17<sup>th</sup>-18<sup>th</sup> September 2010 and were presented with a Certificate of Merit in recognition of their talent.
  44. CH.Surya Prakash (DO 53) won the Second Prize in the event Paper Presentation in Medha 2010 at Bhavan's Collge, Hyderabad, on 17<sup>th</sup> October 2010.
  45. K.Ravi Kumar, II B.Sc. (VisCom) won the Second Best Speaker Prize in the State Level Inter-collegiate Debating Competition in Telugu, conducted by the Debating & Quiz Club, KBN College, Vijayawada, on 30<sup>th</sup> October 2010.
  46. Naveen Kumar won the Second Prize in the Elocution Competition held on the occasion of Observance of Vigilance Awareness Week, organized by the Income Tax Department, Vijayawada, from 25.10.2010 to 01.11.2010.
  47. N.Srikanth (DCM 28) won the Second Prize in the Seminar Competition in Shastra organized by VS Lakshmi Women's Degree College, Kakinada, on 1<sup>st</sup> and 2<sup>nd</sup> December 2010.
  48. M.Jayanth (NO 87) won the Second Place in the 75 Kg category in the Krishna District Body Building Championship 2010 organized by the Krishna Dist. Body Building Association, Vijayawada, on 04.12.2010.
  49. G.Ramya Sri won the Second Place in the 5 KM walk and the Third Place in 400 mts Hurdles in the Acharya Nagarjuna University Inter-Collegiate Competitions held at U.C.P. & S.S., A.N.U. from 14.12.2010 to 16.12.2010.
  50. S. Karunakar (AML-06) got the Second Prize in Block and Tackle (Telugu) on topic "Caste System in India-Hinders our Indian Economy", conducted by St. Theresa Autonomous College, Eluru.
  51. S. Karunakar (AML-06) got the Second Prize in Essay Writing Telugu on topic "Women Role in Liquor Provision" conducted by K.B.N college, Vijayawada.
  52. Sagili Karunakar (AML-06) got the Third Prize in Telugu debate on topic "Small States-Better Development" conducted by K.B.N College, Vijayawada.
  53. P Naresh (II BA) won the Third Place in the event Group Song (Indian) at the Acharya Nagarjuna University Inter-Collegiate Youth Festival 2010-11 held from 12<sup>th</sup> to 14<sup>th</sup> August 2010.

54. Kamalakar (ACP 06) won the Third Prize in the event Block & Tackle (English) at AURA 2010 - State Level Youth Fest organized by CH.S.D.ST.Theresa's Autonomous College for Women, Eluru, on 17<sup>th</sup> September 2010.
55. Dedeepya (AOC 23), Divya (AOC 37) Reena (NOC 16), Lavanya (DOC 22), Sk.Nur Basha (AO 82), G.Ashok Kumar (DO 85), Nagaraj (DO 24) and Satish (DO 66) and won the Third Prize in the event Group Dance at AURA 2010 - State Level Youth Fest organized by CH.S.D.ST.Theresa's Autonomous College for Women, Eluru, on 17<sup>th</sup> September 2010.
56. Neelam Kerkelto (NGH 19) won the Third Prize in the event Block & Tackle (English) at AURA 2010 – a State Level Youth Fest organized by CH.S.D.ST.Theresa's Autonomous College for Women, Eluru, on 17<sup>th</sup> September 2010.
57. Ch.Deleep Kumar secured the Third Prize in the 84 kg category at the NTR Memorial Krishna District Open Weight Lifting Championship held at NTR Indoor Stadium, Gudivada, on 3<sup>rd</sup> October 2010.
58. S Karunakar, I B.Sc. won the Third Prize in the State Level Inter-collegiate Essay Writing Competition in Telugu, conducted by the Debating & Quiz Club, KBN College, Vijayawada, on 30<sup>th</sup> October 2010.
59. K.Ravi Kumar, II B.Sc. (VisCom) and S Karunakar, I B.Sc., won the Third Prize in the State Level Inter-collegiate Debating Competition in Telugu, conducted by the Debating & Quiz Club, KBN College, Vijayawada, on 30<sup>th</sup> October 2010.
60. Lakhan Jadhav won the Third Prize in the event Case Study at Brainstormers' 10, a University Level Inter-collegiate Management Meet held at Nalanda Degree College, Vijayawada, for the undergraduate Commerce and Management students on 30<sup>th</sup> October 2010.
61. A.Prabhu won the Third Prize in Paper Presentation at SPARK 2010 organized by the Department of Electronics & Comp. Science, Nalanda Degree College, Vijayawada, on 13.12.2010.

**‘Sphoorti’**, the two-day annual cultural and literary festival, that aims at promoting artistic and cultural talents of students, was conducted on 16<sup>th</sup> and 17<sup>th</sup> of August 2010 with the theme ‘Youth Power for Better India’.

Competitions in 18 individual/group events were conducted from 10<sup>th</sup> August 2010. Sri N.Samuel, Special Officer, Acharya Nagarjuna University, was the Chief Guest.

Sphoorti competitions concluded on 17<sup>th</sup> August culminating in the valedictory. Department of Commerce won the overall Championship with 41 points while the Department of Visual Communication and Arts Department bagged second and third places with 27 and 26 points respectively. The performance of participants in various events has showcased their varied talents and greatly entertained the audience.

Padmasri Turlapati Kutumba Rao, Chairman, Andhra Pradesh Granthalaya Samstha was the Chief Guest for the valedictory and Sri P.Prakash Rao, Branch Manager, I.O.B. ALC, Sri S.A.Naidu, General Secretary, ALC Walkers' Association and Sri K.Sreedhar, Director, C.C.E. Vijayawada, were the Guests of Honour.

**38. Linkages developed with National/International, academic/research bodies.**

The college continues to strengthen the association with the following national and international academic / research bodies:

- Research: M O U has been signed between Andhra Loyola College and Entomology Research Institute, Chennai, between Andhra Loyola College and Loyola Academy , Secunderabad, between Andhra Loyola College and Loyola Integral Tribal Developmental Service , Katukapalli, Bhadrachalam/
- AIACHE (All India Association for Christian Higher Education)
- Xavier Board of Higher Education
- AIJUC (All India Jesuit University Colleges)
- JEA (Jesuit Educational Association)
- 'Jesuits in Science', an international organisation for the promotion of research among Jesuit scientists.

The college every year sponsors faculty members to the various training programmes and workshops organised by the above organisations.

**39. Any other relevant information the institution wishes to add:**

Andhra Loyola College has been equipped by an inter-disciplinary research laboratory. The Language Lab has been established and is being instrumental in training students in language proficiency. In order to extend multiple services to students, a number of facilities are being built or modified. Monitoring system to guide and counsel the students has been introduced in the present year is appreciated a lot and felt as an essential parameter in the students' services.

**Part C: Detail the plans of the institution for the next year.**

In the next academic year, the areas that need a special focus are:

- a. To introduce English Preparatory Classes for all the first year students in the beginning of the academic year.

- b. To introduce new courses in Commerce and in Fine Arts.
- c. To establish a girls hostel in the campus itself.
- d. To introduce diploma courses in computer for the Mathematics, Physics and Chemistry main students.
- e. To regularize the publications of the campus news letter.
- f. To offer the biotechnology skills for all the bioscience students.
- g. To adopt a specific area for all our extension activities.
- h. Continuing and recommitting to the cause of the education of the students from the marginalized and minority communities.
- i. Strengthening extension services towards the neighborhood villages and slums to attribute community orientation to the students and too contribute to the overall development of the villages and slums.