

AQAC REPORT 2005-06

Q.no.1 Activities reflecting the goals and objectives of the institution

The college took initiative to conduct,

ANTI-POLLUTION DAY, BLOOD DONATION CAMP and CHILDREN'S DAY for the Poor Slum Children. In these programmes the departmental associations and AICUF took active initiative. PLANET: An extension programme called the “Programme of Loyola Academy for Neighbourhood Extension and Transformation was devised and implemented. It is called the PLANET programme. Fr. John Soosai Manickam, S.J. with the help of Center for Social Initiatives and Management (CSIM) of Dr. Reddy’s Laboratory has successfully got this PLANET programme under way.

Q.no.2 New academic programmes initiated

One Post Graduate programme has been introduced by Loyola Academy in the academic year 2005-06 namely, M.Sc. Physics.

Q.no.3 Innovations in curriculum design and transaction

DEPT. OF CHEMICAL TECHNOLOGY

Sub : Chemistry II :- Unit II dealing with Colloids & surface chemistry is replaced with Thermodynamics as colloids & surface chemistry is already covered in Intermediate syllabus. Further liquid-liquid system in phase equilibria of two component system has been introduced.

Sub : Computers-I :- Windows operating system has been included. Chemical Engineering related problems using Excel has also been added. Basic concepts of C++ has also been added.

The above changes have been incorporated and approved by the Academic Council.

DEPT. OF AGRICULTURAL SCIENCE & RURAL DEVELOPMENT

Sub : Plant Diversity & Utilisation :- The title of this paper has been changed to “Plant Morphology Systematics and Utilisation”.

Sub : Microbial Diversity & Microbiology :- Microbial Genetics is shifted to Cell Biology & Plant Genetics. In its place Principles of Microscopy-Phase-Contract microscope & Electron Microscope is included.

Sub : Agricultural Economics :- Economics of Mixed farming has been included.

Rural Agricultural Work Experience Programme [RAWEP] in IV year I semester [June to Mid-Semester] and Industry Internship [Mid-Semester to November] have been re-scheduled. [RAWEP will be conducted during the months August-October. (monsoon season). Industry Internship has been shifted to June-August].

The above changes have been approved.

DEPT. OF COMPUTER SCIENCE & ENGINEERING

Sub : Computer Organization :- The text book has been revised. Instead of Second edition, Third edition will be followed.

Sub : Core Java :- This has been replaced by Advanced Java.

Sub : Languages Processors :- This subject has been dropped.

DEPT. OF COMPUTER MAINTENANCE & ENGINEERING

- Sub : Engineering Workshop** :- Soldering experiments are included in workshop practice.
- Sub : Windows 2000** :- This has become outdated, hence it is replaced by Windows 2003.
- Sub : Industry Internship** :- Students of III year II semester undergo Industry Internship for 4 days in a week.

This has been reduced to OJT for 3 days.

“Linux Administration” which is in great demand presently in the IT industry has been introduced.

The above changes were approved.

DEPT. OF COMMERCE [HONOURS], [ADVERTISING & SALES PROMOTION] & [REGULAR]

- Sub : Financial Accounting** :- The Board suggested that practical Accounting should be include as a part of Financial Accounting papers instead of offering “Accounting Packages” Separately as a “Computer Applications paper.
- Sub : Advertising I, II, III, IV & V** :- Instead of naming these papers as I, II, III, IV & V the Board suggested renaming them as
- Advertising I → Basics of Print Advertising
 - Advertising II → Advanced Print Advertising
 - Advertising III → Creativity & Research in Advertising
 - Advertising IV → Radio Advertising
 - Advertising V → Television Advertising
- Sub : Marketing Communication** :- The Board suggested that seminars should be conducted for Marketing Survey so that each student has an opportunity to present the survey report either individually or groupwise.

The Board also suggested that the faculty should enroll in Advertising Clubs, HMA & like associations to keep themselves abreast with latest trends and developments in the industry.

A major change proposed was to rename B.Com [Regular] as B.Com [Insurance]. Earlier only 6 papers on Insurance was offered. For a Degree to be named by its specialization, at least 30% of the total papers offered in the course should be on specialization area. Keeping this in mind, few more papers on Insurance have been included while retaining core commerce subjects.

An MOU has been signed with Insurance Institute of India (I.I.I.) to enable the students of B.Com (Regular) proposed to be B.Com (Insurance) to appear for professional examinations conducted by I.I.I. These examinations are conducted by I.I.I. twice in a year in the months of May & November. The proposed scheme of B.Com (Insurance) enables the students to acquire additional degrees from I.I.I. as under.

Licentiate of Insurance	-	at the end of I year
Associate of Insurance	-	at the end of II year
Fellow of Insurance	-	at the end of III year

This would ensure good placements in Insurance Industry at a higher level / cadre.

The above changes were approved and ratified by the Academic Council.

DEPT. OF ELECTRONICS TECHNOLOGY

Sub : New Topics on Wave Motion in strings, Bars and Coupled pendulum have been introduced. Format lab Reports have been proposed in place of Conventional Practical Records. Usage of CDs and JAVA Applets like physics 2000, usage of software packages like MATLAB and SIMULI were suggested.

Sub : **Microprocessors** :- The title of this paper is changed as “Microprocessors and Microprocessors”. Redundant Topics were deleted and 8051 Micro Controller has been introduced.

The above changes were approved.

DEPT. OF BIOTECHNOLOGY

These were no major changes. Changes were effected so as to facilitate conversion of year wise scheme of I year into Two semesters pattern.

DEPT. OF MASS COMMUNICATION

Sub : Psychology : This subject was proposed to be replaced with “Human Behaviour”.

The Board suggested greater industry interface with media internship, undertaking small assignments with media like anchoring, editing, reposing etc., Group discussions or panel discussions on contemporary topics were sought to be introduced so that students can be more articulate. Further electives or specialization in different media was also suggested. The third year syllabi was presented for approval.

The above changes / suggestions were incorporated in the syllabi and were approved.

DEPT. OF FOOD TECHNOLOGY & MANAGEMENT

The Third year syllabi was presented for approval. Other changes were:-

Sub : General Microbiology :- To be offered both as theory as well as a practical paper.

Sub : Project work :- Each student is to undertake a major project work in III year II semester.

The above changes were approval.

The Academic Council also suggested setting up of a centralized Grievance Cell to address and redress grievances of students. It also reiterated that the mechanism should be effective and must ensure transparency in its dealings.

Post Graduate courses

All post graduate courses at Loyola Academy are non-autonomous in nature and affiliated to Osmania University.

Q.no.4 Inter-disciplinary programmes started

NIL

Q.no.5 Examination reforms implemented

Examinations are conducted as usual in two phases – Continuous Internal Assessment (CIA) and the Semester End Examination (SEE).

Q.no.6 Candidates qualified for NET/SLET/GATE

Nil

Q.no.7 Seminars or Workshops or Conferences or FDPs attended by Faculty members

Mr. A. Ravinder and Mr. Vijay Kumar of the department of Food Technology attended a National Seminar on “Value Addition to Foods” (Food plus 2000) at Hyderabad.

Mr. P.V.R. Sai Prasad of the department of Chemical Technology attended the 48th Orientation Programme at the Hyderabad Central University from 24-08-2005.

Dr. A. Raja Reddy of Agriculture department attended a National level H.R.D. training programme for Agri-entrepreneurs from 1st September 2005 to 5th September 2005 at Agriculture Training Institute College, Pune.

Dr. C. Raghava Reddy of the department of Agriculture and Rural Development attended a refresher course from 7th July to 27th July 2005 at the academic staff college, University of Hyderabad.

Dr. C. Raghava Reddy again attended a seminar on “The culture of Innovation in Science and Technology in India: Opportunities lost and opportunities Seized” from 19th January to 21st January 2006 at the University of Hyderabad.

Fr. John Soosai Manickam, S.J., Dr. Raghava Reddy and Mr. Vijay Kumar attended the South Zone Jesuit Alumni Association India meet held at St. Aloysius College, Mangalore, from 6th January 2006 to 8th January 2006.

Mrs. Nuslin, Lecturer in the department of Mathematics participated in the R.M. Quest 2005, at the S.V. College, Suryapet on 22nd December 2005.

Ms. Anusha, Lecturer in Electronics and Ms. Jyothi Mary Rego, Lecturer in Business Administration participated in the inter-religious meet held in Bangalore on 19th and 20th November 2005.

Mr. Nityananda Ghosh, Head of the department of P.G. Physics participated in “Einstein’s legacy” a two days lecture workshop at St. Pius X Degree & P.G. College for women, Hyderabad on 28th and 29th October 2005.

Q.no.8 Seminars and workshops conducted

List of Seminars and Exhibitions conducted by Departments 2005-06

The department Electronic Technology organized a one-day seminar “AAVISHKAR” on 3rd December 2005.

The department of Computer Maintenance conducted a one-day seminar titled I.T. Venture on 27th January 2006.

The department of Mathematics organized a seminar in Mathematics on 24th January 2006. On that occasion the students of Computer Science launched a website containing various results of Mathematics.

The department of M.Sc. Mathematics is to organize a one-day seminar “Math-Origins” on 1st February 2006.

The department of M.Sc. Chemistry is to organize a two days seminar titled “Recent Trends in Chemistry” on 17th and 18th of February 2006.

The department of Biotechnology is to organize a one-day seminar on 11th February 2006.

The department of MCA conducted SANKALP 2005 an Inter Collegiate Annual IT meet on 18th and 19th November 2005.

The department of Commerce organized a two days seminar “SPECTRUM 2005” on 28th and 29th July 2005.

EXHIBITION :

The department of Electronics Technology organized an Exhibition titled “Fusion of Science and History”. It was inspired by Mr.Rajib Chakraborty.

The department of Electronics Technology conducted an Exhibition “TRANSCEND” on 4th August 2005. It was a showcase of the Mini-Projects done by the students. Neighbouring schools visited the exhibition.

Mr. Srinivasa Reddy presented a paper on “Media Optimization and elicitors for the production of citric acid by *Aspergillus Niger*”. This paper was published in the proceedings of National Conference on New Frontiers in Biotechnology held on 7th and 8th December 2005.

Mrs. Agna Joseph of the department of Commerce presented a paper in a National Symposium at Bangalore on 15th and 16th September 2005, on “Developing the spirit of adventure, innovation in faculty and students of 21st century – A case study of value based leadership of Loyola Academy”.

Mrs. E. Praveena of the department of commerce presented a paper in a National Seminar on 9th September 2005, titled “Innovations in product development – challenges before banking sector”.

Ms. K.V. Rama Devi, Lecturer in Advertising & Sales Promotion presented a paper in a U.G.C. sponsored National Seminar at Nizam College, Hyderabad, on “The Role of Women in Indian Airlines”.

Ms. K.V. Rama Devi also presented another paper in a U.G.C sponsored National Seminar, titled, “Use of Debit and Credit cards among twin cities”.

Again Ms. K.V. Rama Devi presented a paper at a two day National Seminar at Railway Degree College, titled “Management Education and information Technology” on 28th and 29th September 2005.

Fr. Francis Xavier, S.J., the Principal, Dr. Raghava Reddy and Mr. Jayaramudu presented a paper in a National Seminar sponsored by NAAC on innovations in curriculum for integrated learning at Arulanandar College, Karumathur, Tamilnadu.

Fr. John Soosai Manickam, S.J. and Ms. K.V. Rama Devi will be presenting a paper on “Social and ethical impact of advertising”, at a National Seminar on 16th and 17th of February 2006 at the Holly Cross, Tiruchirapalli, Tamilnadu.

Ms. Jacintha Vincent and Ms. Kavitha Joshi presented a paper on 6th January 2006 titled, “Counselling and Placement Services” at S. Nijalingappa College, Bangalore.

Dr. Vijayalakshmi of the department of Mathematics presented a paper titled ‘2’ as a semi-primitive root mod p , at a National Conference at CNS Vignan Institute of Technology & Sciences, Warangal.

Q.no.15 Honors /Awards to the faculty

Fr. Francis Xavier, S.J., the Principal has been appointed by the University Grants Commission, New Delhi, to be a member of the expert committee to evaluate the performance and academic attainment for the extension of Autonomous Status to three colleges affiliated to Bharathidasan University.

Q.no.16 Income generated through internal resources

Renting out our Cricket Courts will fetch an income of Rs10,000.00 per annum

Q.no.17 Details of Departments Getting SAP, COSIST (ASSIST)/ DST.FIST, Assistance Recognition

Nil

Q.no.18 Community services

ANTI-POLLUTION DAY

December the 3rd, which is observed as the Anti-Pollution Day, commemorating the Bhopal Gas Tragedy was observed at Loyola Academy. On that occasion, some faculties participated in the campaign on the destruction of syringes immediately after use and separating them from other hospital waste. Our students visited a few hospitals around the college to create an awareness on the issue of hospital waste management. I congratulate Dr. Aditya Kumar and Mr. Pavan Dayakar.

BLOOD DONATION CAMP

As it is customary at Loyola Academy, this year also both boys and girls generously participated in Blood Donation camp organized by N.S.S. unit. Dr. Raja Reddy organized the camp and 188 units of blood collected was given to the “Red Cross Society of India” under the patronage of the governor of Andhra Pradesh.

THE AICUF

The All India Catholic University Federation (AICUF) unit was inaugurated at Loyola Academy this academic year. It organized the Children's Day Programme for Children from Government Schools in the vicinity of Alwal Municipality. In all, about 250 Children participated in the programme of sports and cultural events. Mr. Krishna Rao, Municipal Commissioner, distributed the prizes.

Thirty AICUF students accompanied by Fr. John Soosai Manickam, S.J., went to Women's Prison Cell at Chanchalguda. Our students presented a cultural programme. On that occasion, gifts were distributed to the inmates of the prison. My heartiest congratulations to Fr. John, the Regional Advisor of AICUF unit for instilling in the minds of young students a sense of sharing, caring and affirming. We expect many more meaningful and stirring events from Fr. John and his AICUF students!

PLANET

Besides excelling in the academics, Loyola Academy deems it extremely important to impart value based education. A student who enters the portals of Loyola Academy must imbibe the spirit of humanity. He or she should leave the college at the end of one's study, having witnessed and participated in the harsh realities of our motherland. Hence an extension programme called the "Programme of Loyola Academy for Neighbourhood Extension and Transformation" was devised and implemented. It is called the PLANET programme. Fr. John Soosai Manickam, S.J. with the help of Center for Social Initiatives and Management (CSIM) of Dr. Reddy's Laboratory has successfully got this PLANET programme under way. All the first year degree students compulsorily put in 20 hours of extension work.

Q.no.19 Teachers and officers newly recruited:

A few of our staff numbers left us this year seeking greener pastures. In their place Mr. N. Pavan Kumar, Mr. L.N. Coyalkar, Mr. C. Hudson Taylor, Mrs. P. Sarada, Mrs. G. Madhavi, Mr. M. Parthasarathy, Ms. T. Prasanna, Mr. Vimal, Mr. T.K. Pavan Dayaker, Mr. Rajiv Chakraborty, Ms. R. Anusha, Mr. Umesh Kumar, Mr. P.P. Thomas, Mr. K. Shashidhar Reddy, Mr. P. Narendra Raju, Mr. M. Vijay Kumar, Mr.

Sampath Kumar, Mrs. T. Sarada, Mr. T. Pavan Kumar, Mrs. V. Malathi, Mr. V. Satish Kumar, Mrs. K. Sirisha, Mrs. S. Neelima, Mr. B. Ravi Kumar, Ms. Mary Vijaya Kumari, Ms. Y. Neeraja, Ms. Jyothi Mary Rego, Ms. Kavitha Jyoshi, Ms. Roopa Kamalan, Ms. N. Vijaya Vani, Mr. M Harry Joseph, Ms. T. Radhika, Ms. Ch. Swetha, Ms. N. Marthenamma, Mrs. N. Saritha, Mr. C. Aruldas, Mr. U. Jayaraj, Mr. P. Venkataiah, Mr. M. Ashok Kumar joined various departments.

Q.no.20 Teaching – Non-teaching staff ratio: 98:78

Q.no.21 Improvements in Library Services

Q.no.22 New books/journals subscribed and their cost

Year	Amount spent on Books	Amount spent on Journals
2005 – 2006	736331	149893

Q.no.23 Courses in which student assessment of teachers is introduced and the action taken on student feedback

Student feedback and assessment is regularly taken for all courses at the end of the year. In addition to the above self-assessment by teachers is also encouraged. Students also enjoy the autonomy to forward their assessments to the Principal or the Head of the Department concerned. Feedback is an important criteria on which decisions to retain the staff are taken.

Q.no.24 Unit cost of education

Rs. 11000.00

Q.no.25 Computerisation of administration and the process of admissions and examination results, issue of certificates have been carried out

Q.no.26 Increase in Infrastructural facilities

Q.no.27 Technology upgradation

Physical facilities added – (b) Equipment

**BIO RAD MODEL 680XR
ELISA READER**



**DOUBLE BEAM UV – VIS
SPECTROPHOTOMETER**



HPLC



SPECTRO FLUORIMETER F-2500



GEL DOCUMENTATION SYSTEM



VACUUM ROTARY EVAPORATOR



Loyola Academy has established a well-equipped, state-of-the art “Language Laboratory”. The laboratory owns Renet English Language laboratory platform software, clarity sky pronunciation suite (Software), and clarity study skills success (Software).

The laboratory is fully functional and is put to use by the first year Under Graduate students. The cost of the software & computers Rs.5,25,600/-.

Under the “Strengthening of Science Laboratories” approved by the CPE scheme, Loyola Academy created work stations for the chemistry laboratory. Equipments like automatic KEL plus, cream separator, Kova making machine, Rotary evaporator, Butter Churner, Deep Freezer were acquired. The amount spent Rs.10,59,343/-.

An ultra modern Green House with a shade house is also established. It will bring the department of Agriculture and the department of Biotechnology together for a fruitful research work. Micro propagation of banana plants is being planned. Gerbera, Roses and Red, Yellow Capsicum are strategically chosen to be cultivated by the department of Agriculture Science. Amount Spent Rs.6, 45,000/-

Two research projects were proposed under the CPE scheme. Following equipments were imported:

- 1) HPLC
- 2) Fluorescence Spectrophotometer
- 3) Gel Documentation system
- 4) Elisa Plate Reader
- 5) Double beam U.V. – Visible spectrophotometer

Loyola Academy is extremely grateful to Osmania University for permitting us to import these instruments for research. The first proposal, viz., “Screening of indigenous plants for antioxidants and anti inflammatory drug molecules: Their role as inhibitors of Cox-1 and Cox-2 Enzymes was started and Ms. Mythili obtained her M.Phil by undertaking the above research project.

The second research project, “Documentation of Genetic variations of cotton boll worm *Helicoverpa armigera* (Hubner) using RAPD markers got underway quite recently using primarily the Gel Documentation system. Amount spent on research equipments Rs.21,34,195/-.

Q.no.28 Computer and Internet access and training to teachers and students

Q.no.29 Financial Aid to students

FINANCIAL AID TO STUDENTS 2005-06

COURSE	SCHOLARSHIP	NO. OF STUDENTS	AMOUNT
UG	BC		
	SC		
	ST		
	Prathiba		
PG	BC		
	SC		
	ST		
	Minority		

Q.no.30 Support from Alumini Association and its activities

Once a year meeting is held .

Q.no.31 Support from Parent-Teacher association and its activities

-Nil-

Q.no.32 Health Services

Thrice a week doctor is available in the campus

Q.no.33 Performance in sports activities

Performance in Sports Activities

Loyola Cup tournament for Volleyball and cricket was conducted in December 2005, and Loyola Academy Volleyball team won the inaugural Loyola Volleyball cup.

In the Inter Collegiate Volleyball tournament organized by the Osmania University, Loyola Academy won the 3rd place.

Arvind of I.C.T., Ranjit of I.E.T. and Anish Raj of II B.Com (Regular) represented the zone II Volleyball team.

Vimal of II Computer Science, Shotara and Prashant of III Computer Science, Akshay, K. Ahuja, Srivatsan, Prithi Sagar Reddy Abhishek, Lovanzo, Joseph of Biotechnology Kenneth won the 2nd prize various competitions of various colleges. We are really proud of you boys and girls!

Q.no.34 Incentives to outstanding sports persons

They are given freeships and honoured on the college day

Q.no.35 Student achievements and awards

The college aims at the all-round development of its students. Students achievements awards in the campus have been instituted to award the student not only in academics but in other areas too.

Student achievement awards for 2005-06

- Student academic toppers in each class
- Best class representative
- Best outgoing student
- Social Service
- Resonance (Loyola Cultural Fest) student organizers
- Students showing continuous improvement
- Best Departmental activities

Highlights of student achievements 2005-06

Tomin Paul of I B.A. Mass Communication won the first prize in elocution competition organized by the Osmania University. He also represented the University at the National Elocution competition held at Bangalore.

At the State level quiz competition held at Andhra Loyola College, Vijayawada, Krishnamurthy and Vivek of III Comp. Science and Vyas and Kartik of III Computer Maintenance bagged the 1st prize. Another team comprising Vishal Rakesh, Arun of III C.Sc. and Engineering won the 2nd prize also.

In the I.T. – Seminar organized by St. Mary’s Degree College, Yousafguda, Krishnamurthy and Vivek of III C.Sc. and Engineering won the 1st prize in Power Point presentation.

At the Aurora Degree College, Rituraj Sapkota and Samuel Joseph of I B.A. Mass Communication won the 1st prize in “Pictionary”.

In the I.T.-Seminar conducted by Badruka Degree College, Thomas Ashwin, Nagarjun of II Computer Science and Engineering won the 1st prize.

Swetha of III Electronics Technology won the rolling cup from Andhra Loyola College, Vijayawada for her paper presentation.

The management of Loyola Academy was gracious in gifting a beautiful cement Basketball court this year. Another cement court will be added soon.

Q.no.36 Activities of the guidance and counseling cell

Activities of the Guidance and Counselling Cell

Guidance and Counseling cell supports and helps the Students with personal, emotional social and academic problems. The major objective of the psychologist is to help individuals become self-sufficient, self-directing and adjusting effectively to the demands of life. Students are provided help in identifying the problems through psychometric tests, IQ, Aptitude, personality tests and counseling to realize their potential, resources and limitations. Thus, the students are guided to identify, accept and enhance their personal, social, emotional and intellectual resources. Thus the counselor’s services are multifaceted. They are,

- Preventive
- Developmental
- Remedial or restorative in nature

Q.no.37 Placement cell

PLACEMENT REPORT UG STUDENTS 2005

Sl. No.	Course	No.of Students registered with Placement Cell	No.of Students Placed	Percentage of Placement	Companies
1.	B.Sc. Chemical Technology	33	27	81	Satyam Nipuna, Asian Paints, ITC paper Boards, Hetro drugs, MRF Limited, NED Batteries
2.	B.Sc. Electronics Technology	20	12	60	Wipro, CTS, Juno On Line
3.	B.Sc. Computer Science & Engineering	33	27	81	HSB, Wipro Tech, Cognizant CTS Brigade, Satyam Nipuna, Satyam Computers Limited
4.	B.Com (Hons)	27	26	96	Satyam Nipuna, Deloitte, HSBC, ITC, GE
5.	B.Sc. Computer Maintenance & Engineering	24	23	92	Wipro, CTS, Satyam Computers Ltd., HSBC
6.	B.Com Professional	21	15	71	Satyam Nipuna, GE Deloitte, Dell Intl

PLACEMENT REPORT OF PG STUDENTS 2005

Sl. No.	Course	No.of Students registered with Placement Cell	No.of Students Placed	Percentage of Placement	Companies
1.	MCA	59	27	46	Satyam Computers, NCR Corporation, Visual Soft Technologies, Sierra Atlanta
2.	MBA	40	28	70	
	TOTAL	99	55	116	

Qno:38 Development programmes for non-teaching staff

Faith formation programmes are conducted for the catholic non teaching staff.

Half a day session was conducted on personality development.

Q.no.39 Best practices

Once a year 4 month village camp is organized for the agricultural students, which is called RAWEP programme.

Q.no.40 Linkages

Linkages have been established with Andhra Loyola College for exchange of staff and students programme pertaining to Mass communication department.

For research in animal and plant biotechnology Loyola academy is planning to collaborate with Entomology Research Institute, Chennai and Prthista, a biotech company.