

Mount Carmel College (Autonomous), Bangalore
The Annual Quality Assurance Report (AQAR) of the IQAC
2010-2011

Name of the Institution : Mount Carmel College

Name of the Head of the Institution : SR. M. ALBINA

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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.

- To draft the report to be sent for the third cycle of the NACC reaccreditation
- To organize faculty development programmes
- To encourage faculty members to take up UGC minor and major research projects.
- To introduce new courses and integrated programmes
- To update our curriculum constantly with inputs from industry.
- To encourage students and faculty members to publish their research findings
- To transform our existing journal into a national journal
- To increase industry-academic interface by signing MOUs with organizations.

Part B:

1. Activities reflecting the goals and objectives of the institution:
 - Committees formed for the formulation of the NAAC report
 - Seminars and workshops organized

- Thrust on research activities
- Evaluation of faculty members and syllabus
- 164 seminars/conferences/ workshops/ paper presentations by faculty members

2. New academic programmes initiated (UG and PG):

B.Com Industry Integrated
M.Sc. Plant Sciences and Herbal Wealth
M.Sc. Nano Science and Technology
M.Sc. Food Science and Nutrition
Advance PG Diploma in Bio-informatics & Research Methodology

3. Innovations in curricular design and transaction:
All courses have been restructured and modified

4. Inter-disciplinary programmes started: One

5. Examination reforms implemented:

UG

Evaluation / Examination Pattern

Year	Theory	CIA	Practicals	Duration
From 2011 Arts & Commerce	50	50 (40 % min)		2 hours
Science	50	25 (40% min)	25	2 hours

Continuous Internal Assessment (CIA): With the approval of the Academic Council and Governing Body the minimum 40% pass marks has been introduced in CIA in order to qualify to appear for End Semester Examination. For non practical subjects the minimum marks are 20 out of 50 and for practical subjects it is 10 out of 25. The minimum marks required to pass in practicals is 10 out of 25.

Online Examination Notices:

- Examination Time Table

- Examination Notices
- Online issue of Examination Application Form – Regular
- Online issue of Examination Application Form – Supplementary
- Online issue of Examination Hall Tickets
- Online provision for question bank

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

NET	08
CAT	5
TOEFL	150
GRE	87
G-MAT	5
Defense Entrance	1

7. Initiative towards faculty development programme:

- The Internal Quality Assurance Cell (IQAC) organized a one day workshop on “Personal Transformation”. The resource person was Mr. Rajashekhar from Global Leadership Partners. Mr. Rajashekar has more than 20 years of experience in this field and has been offering these training programmes for teachers and members belonging to the corporate field.
- The objective of the workshop was to help teachers to take stock of their ‘as is’ (current) state in their professional and personal lives and put plans in place to transform themselves using several concepts, models, tools and applications.
- The workshop comprised a number of interesting activities which helped the participants to understand the importance of team work, using one’s creativity to respond to a situation- that nothing is impossible to achieve and adaptability is a skill that we need to possess in order to be successful.
- Through the workshop, the participants were asked to interrogate their current mindset and asked to articulate what they would want to change in themselves so that they could arrive at their desired state. The speaker also stressed the importance of being frustrated with the status quo. Frustration can be turned into a positive asset. The factors that need to be taken into account in order to achieve the goal were also examined. Finally, at the end of the workshop, the participants arrived at a concrete plan of changing the current state into the desired state.
- The IQAC in association with Mount Carmel Centre for Scientific Research and Advanced Learning organized a one day workshop on “Research Methodology. The objective of the workshop was to build an active thriving research community on campus. There were two resource people for this workshop- for the science faculty, Dr. V.Krishnamurthy, Professor and Head, Department of

Biotechnology, PESIT, Bangalore. For the commerce and arts faculty, the speaker was Dr. H.S. Sudhira, Director, Gubbi Labs.

- The following areas were covered in this one day workshop
- The Basics of Research
- The Research Process
- Reading Skills
- Managing References
- Writing Skills
- Presentation Skills
- Funding your Research
- Publishing and getting Cited
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- At the end of the workshop, the participants gained useful insights into the research process.
- An orientation programme for the newly admitted first degree students was organized.
- July 2010
- A two day workshop on Value Education was organized for all teachers. The resource person was Ms. Kalpana Anand of Arpita Associates Pvt Ltd, an organization that emphasizes vision, values and learning as a means of achieving excellence.
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- A team from Arpitha worked along with the teachers at drawing up a syllabus and an action plan for value education classed. Forty copies of a book entitled "Discovery" was provided by Arpitha to enable the teachers to put into practice the various ideas that they came learnt at the workshop. These books are maintained in the library.
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- December 2010
- A one day follow up seminar on Value Education was conducted by Arpita Associates.
- March 2011
- A one day seminar was organized by the IQAC for the newly inducted faculty members. The resource people for this interactive session were the senior faculty members of the institution. The purpose of this seminar was to orient the new faculty members to what was expected of them as teachers and facilitators. The topics that were addressed included
- Effective teaching and learning
- Planning and executing class room activities
- The importance of discipline
- Mentoring

8. Total number of seminars/workshops conducted
- December 2010

- A UGC sponsored two day state level seminar on “From Molecule to Market- Drug Discovery and Development, Clinical Research and Ethics” was organized by the Department of Chemistry. The objectives of the seminar were:
- To highlight recent developments in pharmaceutical Chemistry.
- To understand the importance of drug design in R and D.
- To highlight the recent developments in the treatment of common diseases.
- To increase awareness about ethics of clinical trials.
- January 2011
- To commemorate the International Year of Chemistry (IYC-2011), the Department of Chemistry has planned a series of activities- seminars, exhibitions, talks and screenings. A talk on “Synthetic Life Cell” by one of our alumni Dr. Radha Krishnakumar, a scientist from J. Craig USA was organized.

9. Research projects

a) Newly implemented:

Sl. No	Principal investigator	Department	Title	Funding Agency	Date of Acceptance Amt Approved
1	Ms. Vijaya Priya	Economics	A study on women employment in the organized sector – with special reference to Karnataka	UGC	22.12.2010 R. 65,000/-
2	Ms. Hasitha	Electronics	Development of low cost high speed optical mark reader using programmable logic	UGC	22.12.2010 R. 1,40,000/-
3	Dr. K.S.Shamala	Physics	Transparent Conducting Nanofin films as gas sensors	UGC	30.03.2010 R. 50,000
4	Dr. Sangeeta Pandey	Nutrition and Dietetics	Development of Tools to provide Knowledge, Attitude and Practice (KAP) in the nutritional aspects to combat hidden hunger in the community.	UGC	27.01.2010 R. 1,15,000/-
5	Dr. E. H. Poornima	Botany	Fungal Carbon sequestration on mine tailings of KGF and phytostabilization	UGC	27.01.2010 R. 1,65,000/-

b) Completed:

10. Patents generated, if any: Nil
11. New collaborative research programmes: Nil
12. Research grants received from various agencies:

Grant	2010-11
UG Grants	2,70,576
PG Grants	16,80,000
Autonomy Grant	20,00,000
Minor Research Projects	4,83,500
Major Research Projects	2,24,700
Seminars and Conference	93,000
Additional Assistance to covered college Development	22,50,000
Sports infrastructure and Equipments	2,50,000
FIP Programme	15,000
Travel Grants- International Seminars and Conferences	88,456
International Year of Chemistry	1,00,000
Merged Schemes	
Special grant for enhancement of initiative for capacity building in the colleges	20,000
Establishment of day care center in the college	2,00,000
Establishment of UGC-Network resource center	1,02,000
Career and counseling cell	2,60,000
Equal Opportunity centre in the colleges	75,000
DRDO	6,24,000
VGST	90,000

13. Details of research scholars: Not Applicable
14. Citation index of faculty members and impact factor:

Sl. No	Publication	Impact factor	No. of Citations
1	Radha D. Kale and Natchimuthu Karmegam. (2010) "The Role of Earthworms in Tropics with Emphasis on Indian Ecosystems". Applied and Environmental Soil Science Volume 2010, Article ID 414356, 16 pages doi:10.1155/2010/414356.	1.631	05
2	Uma .V and R. Chandramani. (2010). "Significance of Nano grain sized Pt(100Å) along with Ti-W/Al-Cu multi level metallization to VLSI substrate". Journal of Active and Passive electronic devices. 5:221-227	1.762	08

15. Honors/Awards to the faculty: Nil
16. Internal resources generated: Nil
17. Details of departments getting SAP, COSIST (ASSIST) / DST. FIST, etc. assistance / recognition: Nil
18. Community services:
NSS Activities
- Blood Donation Camp in association with Lion's Club Bangalore
 - First- Aid demonstration by the Home Guard officials
 - Rally organized in collaboration with SICHREM for the cause of beggars
 - Rally to promote cycling
 - Street play on waste segregation
 - Programme on World-Aids Day
- Other Activities
- Voter Registration drive in collaboration with Janagraha
 - Nutrition education for health improvement in the BBMP high school Srirampuram- Malleshwaram.
19. Teachers and officers newly recruited:

Sl. No	Names
1	Kamala Boopalan
2	Noela D'Silva
3	Mary Rockey
4	Dr. Anu Sharma
5	N Mallika Mahesh
6	Swetha Murthy Nori
7	Feba Rachel Thomas
8	Jaskiran Kaur
9	Candida Smitha Manuel
10	Sanniya Fareen
11	Archana HS
12	Manjula KG
13	A Selva Priya
14	Swathi R

15	Vidya R
16	Aatika Bi
17	Dr. Sunitha SN
18	Sudakshina Roy
19	Iren Suhasini Aaron
20	Manasa CS
21	Vijayalakshmi B
22	Dr. Srinivas Murthy N
23	Padmashree Kulkarni
24	N Pradeep
25	Dr. Shipra Raj
26	Dr. Francisca Kalavathi
27	Shalini BC

20. Teaching – Non-teaching staff ratio: 5:1

21. Improvements in the library services:

- Circulation of books and journals
- Display of current events/information
- Separate Reprographic service in the Reference section
- Computer
- Digitalization
- User orientation/information literacy
- INFLIBNET
- Bibliographic compilation
- Reference Service
- Current content
- Internet facilities with 24 computers
- E-books, E-journals
- Newspaper clipping service
- Inter library loan facility
- Institutional membership
- Bound volumes of previous question papers
- OPAC
- User orientation programme organized for the students

22. New books/journals subscribed and their cost:

UG	
Year	2010-11
No. of books added	1117
Amt Spent for Books	345426.95
No. of journals/Magazines	124
Amt spent for Journals/magazines	105756.00

PG

Year	2010-11
Books (Rs)	494
Books (Rs)	293840.40

23. Courses in which student assessment of teachers is introduced and the action taken on student feedback: All UG and PG courses.
24. Unit cost of education (Excluding salary): Rs. 12,341
25. Computerization of administration and the process of admissions and examination results, issue of certificates: Yes.
26. Increase in the infrastructural facilities:
15 Classrooms added to the Commerce Block
Reverse Osmosis water plant
Power transformer
Inflibnet, Edusat
Home Science Block expanded and upgraded
27. Technology up gradation:
- 100 new Computers Purchased
 - Inflibnet Available in the Library
 - 3 LCD.s Purchased
 - 3 laptops Purchased
 - Adobe converter software Purchased for Research Lab
 - LCD Mounted in Commerce Seminar Hall
28. Computer and internet access and training to teachers and students: Yes
29. Financial aid to students:

Schemes	2010-11
Mid-day meals	150
Earn while you learn programme	25
Fee concession	60
Scholarships (government)	283
Scholarships (institution)	60
Total number of students benefited	578

For **Accident Group Insurance** scheme an amount of Rs 110 is collected every year from the students along with the fees. The scheme covers the student and one working parent. There is insurance cover for all the staff. This is renewed every year. This group insurance scheme was started in 2008-09. Initially TATA AIG provided the insurance cover for the first two years and presently it is by Cholamandalam General Insurance Company.

The types of coverage

1. Death coverage upto Rs. 1,00,000
2. Accident benefits upto Rs. 15,000

Students can make one claim in a year.

The management is negotiating for a general health insurance with the same company.

30. Support from the Alumni Association and its Activities:

- An Alumni meet was held in August with the scheduled programme being on Solid Waste Management, the lecture was delivered by Mrs. Manil Jashua.
- The launch of the Alumni Newsletter.

31. Support from the Parent-Teacher Association and its Activities: NIL

32. Health services:

First aid facilities

Doctors visit on certain week days.

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33. Performance in sports activities:

Athletics:

Sadhana:

- Represented Karnataka and secured Gold in Discus throw held in Bangalore.
- Represented Karnataka in south zone athletic meet and secured fourth place in Discus throw held in Bangalore.

- Bangalore University intercollegiate meet secured Silver medal in shot-putt, Gold medal in Discuss and Bronze medal in 4x100 mts relay.

Archery

Vandana BN

- Won Gold medal in the All India University Archery Championship
- Felicitated by Bangalore university – Cash Award
- Received award from the Karnataka Olympic association by the Hon Governor – cash award
- Received convocation Gold medal for Archery.
- Participated in the All India Senior National Archery Championship in Andhra Pradesh.
- Participated in the 34th National Games held at Jharkand.

Basket Ball

Our team won the following tournaments:

- Christ college
- St. John's tournament both winners and runners up
- Soumya Rai memorial cup.
- BES tournament
- Bangalore University intercollegiate.
- VIE 2011 hosted by SBMJC University.
- Jyothi Nivas college
- Secured 3rd place at the All India Basketball tournament conducted by St. Joseph's and Sri Ragavendra college held in Chennai.

Sneha Tiwari

- Best player award in Raghavendra cup held in Chennai.
- Represented senior national basket ball championship held at Delhi.
- Represented in the 25th federation cup national basketball championship held in Chatisghar.

- Represented 34th national games held Jharkhand

Kruthika Lakshman

- Most valuable player award at Soumya Rai memorial cup.
- Best player award at VIE-2011 hosted by SBMJC University.
- Represented national professional league held in Bombay and secured 3rd place.
- Represented senior national basket ball championship held at Delhi.
- Represented in the 25th federation cup national basketball championship held in Chatisghar.
- Represented 34th national games held Jharkhand.

Billiards and Snooker

Ayn Zoya

- Represented Karnataka state Ranking tournament for Billiards and Snooker and stood 8th in both Billiards and Snooker.

Cricket

Krithika Hariharan

- Represented Karnataka senior team in the invitational cricket tournament held at Bangalore and secured winners.
- Represented Karnataka senior team tournament held at Guntur and secured runners.

Saba Siddiqui

- Represented Karnataka senior team in the invitational cricket tournament held at Bangalore and secured winners.
- Represented Karnataka senior team tournament held at Guntur and secured runners.

Sneha Prasanna

- Represented Karnataka senior team in the invitational cricket tournament held at Bangalore and secured winners.
- Represented Karnataka senior team tournament held at Guntur and secured runners.

Priyanka DK

- Represented Karnataka senior team in the invitational cricket tournament held at Bangalore and secured winners.

Veda Krishna Murthy

- Represented Karnataka senior team in the invitational cricket tournament held at Bangalore and secured winners.
- Represented Karnataka at invitational tournament played against Thailand and won the series.
- Represented Karnataka at the senior T20 invitational matches held at Guntur.
- She was the Vice Captain of the south zone at the inter zonal cricket academy matches and were champions.
- She is been selected as a probable for the Indian team.

Football

- Winners in the Christ University tournament.
- Runners in the Bangalore University inter collegiate tournament.
- Winners in the Jyothi Nivas College Tournament.

Hockey

The following students were selected to represent All India Inter University held at Indore.

1. Neetha S
2. Keerthana R
3. Bhagya A
4. Lakshmi V
5. Akshatha KS
6. Sheril Jessica
7. Meriyn N
8. Greeshma Mareen
9. Maria Steffy
10. Jane D'Souza

Runners in the Jyothi Nivas College Tournament.

Merlyn N

- Represented Junior national hockey championship held at Pune.

Mountaineering

Aparna R

- Selected to be part of National team to Parangla Pass, Himachal Pradesh

Softball

Sneha & Priyanka

- Represented south zone softball championship held at Goa
- Both are selected to be represented for the selection trials for the probable of the women Indian softball team.

Taekwondo

Tanuja K

- Represented 21st North-West Taekwondo championship held at Uttaranchal and secured Silver medal in individual sparring, Gold medal in group pattern.
- Represented 7th South-East Taekwondo championship held at Chennai and secured Gold medal in individual sparring, Gold medal in group pattern, Silver medal in individual pattern and Bronze medal in power breaking.
- Represented 11th state level Taekwondo championship held at Bangalore and secured Silver medal in individual sparring, Silver medal in group pattern and gold medal in group sparring.
- Represented 25th National I.T.F Taekwondo championship held at Delhi and secured Gold medal in individual sparring and Silver medal in group pattern.

Volley ball

Winners in the Jyothi Nivas College tournament.

Likitha TA

- Participated in the senior interstate in Mangalore and were winners.
- Represented KSP and were winners in the inter district tournament held in Mangalore.

Yoga

Shree Devi

- Participated in the 'A' division tournament and secured II Place

- Participated in the 30th state level yoga championship and secured 5th place in the age of 18 – 25 years.
- Felicitated with “Yoga Chaitanya State Award” hosted by S.G.S International Yoga Foundation.
- Participated in the state yogasana championship and secured:
 - 1st place in combination category in the age group of 21-25 years.
 - 2nd place in back bending category in the 21-25 years.
 - 3rd place in general category in the age group of 21-25 years.
- Felicitated with “Bharatha Yoga Nidhi Award” in the yoga festival conducted by Swamy Vivekananda Vishwa Prakruthi Foundation.
- Participated in the 9th South Indian Open Yoga Championship and secured:
 - 1st place in the combination category in the age group of 21-25 years.
 - 1st place in back bending category in the age group of 21-25 years.
 - 2nd place in general category in the age group of 21-25 years.

34. Incentives to outstanding sportspersons:

Monetary and non monetary benefits and other incentives are given to proficient sports students.

- Cash Awards for State, National, and All India Inter University and International Representation.
- Sports Uniform given every year
- Preference given during Admission.
- Credits given for participation at all levels.
- Attendance given for Sports.
- TA and DA met by the Institution for participants.
- Travelling allowance of Rs15, 000/- paid by institution for the student who participate in national tournaments.
- Separate CIA tests conducted for the Sports students who miss their tests due to tournaments.

35. Student achievements and awards:
A number of our undergraduate and post graduate students have presented poster/papers at state and national level seminars.

Anvesha Mahendra from NDCZ was awarded the Caroline Walker Prize, UK

36. Activities of the Guidance and Counselling Cell:
Three counselors provide counseling services for our students. They are available on all working days.

37. Placement services provided to students:

Sl. No	Streams	No. of students registered	No. of students placed
1	B.Sc.	53	35
2	BA	51	45
3	B.Com/BBM	241	215
	Total	345	295

Recruitment of Post Graduate students 2009-10 & 2010-11

Post graduate students have been placed in the following companies:

ACC	ACE Learning	Subex World
Apticraft	Cognizant	Schneider Electric
Ernst & Young	Goldman Sachs	Razorsight
Tally Solutions	Target	Oracle
Cypress semiconductors	Fidelity	Mindtree
Glaxosmithkline	Hewlett Packard	Igate
Honeywell		

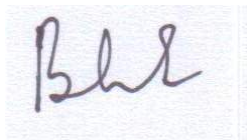
38. Development programmes for non-teaching staff: Nil
39. Best practices of the institution:
- Upgradation of the research center
 - Collaborations with Industry
 - Syllabi modified and updated according to the needs of the stakeholders.
40. Linkages developed with National / International, academic / research bodies. The institution has a number of collaborations and linkages. Some of the important ones are listed below.
- ITC

- Greenkarbon
- IGNOU
- KRS Enterprises for Environmental Consultancy
- BOSCH
- National Center for ISSN, NISCAIR
- UTL Technologies LTD

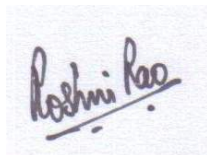
41. Any other relevant information:

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

- Prepare for the UGC autonomy review
- Finalize the NAAC report for the third cycle of reaccreditation
- Emphasize research activities and publishing of research findings.
- Organize workshops and seminars
- Organizing training for non teaching staff members



Name & Signature of the IQAC
Co-coordinators



Name & Signature of the IQAC
Chairperson