



CARMEL COLLEGE, MALA

Nationally Re-accredited with 'A' grade (Third Cycle)

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Criteria I

Curricular Aspects

Year wise Summary Report with Outcome of Certificate Courses

2015-2016

Submitted to



THE NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL

DCA

ACADEMIC YEAR 2015-16

Diploma in computer applications (DCA) is a six-month course offered by C-DIT. DCA Course is approved by government of Kerala. It has been outlined for candidates who want to enhance their knowledge in computer applications. The objective of the DCA computer course is to impart a basic level of computer knowledge with more emphasis on hands-on training. After completing the course the candidate will be computer literate and will be able to:

- Acquire confidence in using computer techniques available to users.
- Understand the C Program and Programming language
- Understanding the basic components of computers and terminology.
- Understand data, information and file management.
- Create documents using Word processor, Spreadsheet and Presentation Software.
- Understanding computer networks, the Internet and they will also learn about browsing the internet, content search and email.
- Use a computer to improve existing skills and learn new skills.

During the Academic year 2015-16, 33 students enrolled in the course in our college and they all cleared and hired by good companies.

Outcomes

After the completion of the certificate course, students equip themselves to

- ★ explore the basic parts by learning the essentials and practicalities of computers, operating system and system engineering.
- ★ Know-how of various peripherals, storage devices & understand their physical structure & working.
- ★ Understand programming concept.
- ★ Understand the difference between procedure oriented programming & OOP paradigm.
- ★ Understand basics of web browsers, concepts of search engines and web protocols.



h.v. - 8/16
Principal
Carmel College
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CCEK - DCA

ACADEMIC YEAR 2015-16

CCEKDCA, Diploma in Computer Applications Center for Continuing Education Kerala is a six month diploma course. CCEK is approved by Government of Kerala. Diploma in Computer Applications which involves study of numerous computer applications such as MS Office, Internet Applications, Operating System, Database Management System (DBMS), HTML among other subjects. The course curriculum ensures to provide an aspirant a deeper knowledge of the subject as well as will make the student technology friendly. During the Academic year 2015-16 students enrolled in the course were 40 out of which 39 students completed the course and placed.

Outcomes of the Course

- Understand the fundamental hardware components that make up a computer's hardware and the role of each of these components
- Understand & use computer networks
- Familiar with Internet terminology and web browsing
- Using internet function like e-mail, browsing searching, ftp etc
- Incorporate & use advanced features in MS Word.
- Understand programming concept .
- Transferable skills: Usage of DBMS design and administration.
- Coding, debugging & testing of program.



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FUNDAMENTALS OF REFRIGERATION

ACADEMIC YEAR 2015-16

UGC sponsored career oriented course “Fundamentals of refrigeration” started in the month of June. Students got an opportunity to learn the theoretical and technical aspects of refrigeration through this course. They studied the main principles of heat and thermodynamics in this course. Also conducted some demonstration sessions on practical refrigeration. 17 students enrolled in this one year certificate course and all of them successfully completed it.

Outcome

The effect of evaluation of the course helps students to Understand and apply computational techniques to physical problems and to Understand the concepts of Thermodynamics and refrigeration



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HEALTH CARE AND WASTE MANAGEMENT

ACADEMIC YEAR 2015-16

The UGC sponsored Career Oriented Programme: - **HEALTH CARE AND WASTE MANAGEMENT** has been offered to the students to sensitize them about the problem of waste generation and its impact on environment and human health. It also aims to prepare the learners with the ability to manage the solid waste effectively. 24 students of our College joined for this certificate course of I year duration during the academic year 2015-16. Classes started on 2nd June 2015 and the sessions were held in the morning, evening and Saturdays. All students completed their course.

Outcome

Certificate course in Health care and waste management sensitize the learners about the health care waste and its impact on our health and environment. It also equip the learner with skills to manage health care waste effectively and safely



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BIOINFORMATICS

ACADEMIC YEAR 2015-16

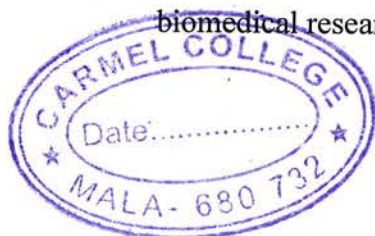
Department of Botany offered UGC sponsored career oriented programme Bioinformatics (UGC F.No.4-366/2011 dated 9-01-2011) during 2015-16. Aim of the programme is to give more knowledge about Bioinformatics to the Degree and PG students. Bioinformatics provides central, globally accessible databases that enable scientists to submit, search and analyse information etc. It offers analysis software for data studies and comparisons and provides tools for modelling, visualizing, exploring and interpreting data. Scope of Bioinformatics is a degree holder knowing Bioinformatics can work in all sectors of pharmaceutical, biomedical organizations, biotechnology, in research institutions, hospital, industry and even NGOs. Today, even RPOs and KPO's are also employed Bioinformaticians. In abroad, the **job opportunities** are **good** in foreign firms and laboratories. Current biological and medical labs use methods that produce extremely large data sets, which cannot be analyzed by hand - for instance sequencing human genomes. Thus modern biological and medical research and development cannot be done without bioinformatics.

During 2015-16 we have two batches of students. In the first batch included 34 students and the classes were conducted from June to September, 30 hr Theory and Practicals. At end of the semester we have conducted semester exam for both Theory and practicals. Certificates issued to the qualified students. The second batch of 26 students ,and classes were from October to march. For them also conducted exam and certificate issued. Classes were conducted from 3.30-4.30 pm.

Outcome

After the completion of the course

- Students become familiar with existing software effectively to extract information from large databases and to use this information in computer modeling.
- Students acquired basic information on future applications in biology, chemistry, pharmaceuticals, medicine and agriculture
- It equipped students for better careers in the areas of drug discovery, biotechnology, biomedical research etc



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Guidance and Counselling Programme

ACADEMIC YEAR 2015-16

Department of Sociology runs Guidance and Counseling program for students and teachers each year. The purposes of guidance and counselling provide emphasis and strength to the educational program. The major goals of counselling are to promote personal growth and to prepare students to become motivated workers and responsible citizens. The chief aim of an educational guidance is to develop the ability of co-ordinating with the school environment in the pupils to create necessary awareness and sensitivity, so that they may select themselves proper learning objectives, devices and situations. Educators recognize that in addition to intellectual challenges, students encounter personal/social, educational, and career challenges. 32 students have enrolled and completed this one year course successfully during this year.

Outcome

Students equip themselves to

- Relate between contemporary education and psychological counseling and guidance
- Comprehend the necessity of common guidance understanding in educational environment
- Explain the legal regulations and the applications related to the existing guidance services
- Implement the plans and applications needed for effective college guidance services

In contemporary society, children and teachers alike are experiencing diverse problems. Therefore, it has become imperative to give them the advice they need at the right time and this course enables individuals to be self motivated and motivating others.



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NGO Management

ACADEMIC YEAR 2015-16

NGO Management is a course meant for candidates who wish to take up social work as their career or join a Non –Government Organisation (NGO). The course trains an aspirant for a career which includes working for upliftment of the under privileged and in areas like environment, health, education, social services and community development.

The course includes Sustainable Development, strategic Management and planning, Operational Planning, Communication, Leadership, Fundraising and Project Management. It focuses on the organization's goals and objectives, their execution, supervision. During 2015 – 2016, 30 students have benefitted from this course.

The main objective of NGO Management course are to provide managerial training and skills to NGO workers and to impart latest and most relevant skills set to a student for a career in this field.

The most essential requirement is passion for social service and empathy. Its programme can helped candidates to resolve the social and environmental causes, pursuing a career in future. Our students used this certificate as a basic certificate course in NGO. NGO Management certificate courses are hired by NGOs, related fields of NGOs and organizations working in this field.

Outcomes

- Use and critically compare a variety of frameworks to understand the organisational characteristics of NGOs
- Critically analyse and understand the key issues and challenges facing NGOs
- Selectively apply a range of tools and approaches to the development of NGO structure, systems and strategy
- Summarise, interpret and prioritise the important issues in managing people as individuals and as groups.
- Specify and evaluate the main issues in gathering and using information for accountability, learning and managing change.



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PERSONALITY DEVELOPMENT

ACADEMIC YEAR 2015-16

Carmel College, Mala, under the guidance of Code of Conduct and Ethics Cell have conducted certificate course in Personality Development during the year 2015 - 2016. The Vision and Mission of Carmel College is “empowering women as the torchbearers of a better world guided by Light and Love”. -

Therefore, Carmel offered a value education course in “**PERSONALITY DEVELOPMENT**” to mould our students with good Personality to face courageously moments of troubles and tribulations in everyday living situations.

The number of students participated are 484 from the batch of first year students. It was expected to enhance the quality of attending to oneself, to create self-worth in a person and all the more to enrich the personality of each of the participants. As the vision and mission suggests, this course was very handy in empowering the personality of oneself.

Outcome

As the result of this course on, “PERSONALITY DEVELOPMENT” the students are empowered to face the unforeseen incidents in their lives. Students are equipped to enhance and enrich their personality. Thereby, they shall become a beacon of change in their living situations and in the campus.



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VALUES AND SOCIETY

ACADEMIC YEAR 2015-16

Carmel College, Mala, under the guidance of Code of Conduct and Ethics Cell have conducted Value Education Course on “VALUES AND SOCIETY” a much needed subject in this present age, with own staff and the enthusiastic students who are curious. This course is framed with a vision of equipping students with good knowledge and assimilation of values that they possess to live in the Society so that, they may be enabled to become responsible human beings in this present age.

The number of students participated are 412 from the batch of second years and it was expected to rejuvenate the Social values in our students. It will create a social awareness and responsibility among our students and lead them to be better citizens

Outcome

As the result of this course on, “Values and Society” the students are encouraged to live a Value based life in the Society and become a responsible human being respecting and able to accept the respect that is given. Thereby, students become persons with dignity, understanding their role in the Society as an Individual, respecting and honoring religions, caste and colour and is able to accept and manage the stresses.



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VALUES FOR SUCCESSFUL LIVING

ACADEMIC YEAR 2015-16

Carmel College, Mala, under the guidance of Code of conduct and Ethics Cell have conducted Value Education Course on “**VALUES FOR SUCCESSFUL LIVING**” a life focusing subject in this present age, with our own staff and the enthusiastic students who are curious. The cell always explored the possibilities of enabling this age group to face realities of the present age and thus prepared a well thought out module so that students will benefit and will use what they learn from this course for their successful living in this society.

The Number of students participated are 339 from the batch of Third years. It was expected to refresh the values that are within each one of us by attending to oneself, to create self-worth in a person and all the more to enrich the Society where one lives in. As the vision and mission suggests, this course was very helpful in empowering the Values of oneself in a given Society not just by trying to be successful in materialistic manner but in morality. In fact, this society lacks persons with “moral authority” and by this course, student were encouraged and motivated to become successful in every manner that is positive.

Outcome

As an analysis of the course, “Values for a successful Life” the students are encouraged to live a Value based life in the Society and become a successful human being respecting and able to accept the respect that is given. Students are motivated to live a morality- based life in the society for success, a road that is different from that of the world today. Where everyone is trying to be successful by stepping over the shoulder of other persons, through this course, students are encouraged to avoid a life of wealth without work, pleasure without conscience, knowledge without character, commerce without morality, science without humanity and religion without sacrifice.



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