

EMEA COLLEGE OF ARTS AND SCIENCE
P.O. KUMMINIPARAMBA, KONDOTTI
MALAPPURAM DISTRICT, KERALA

ANNUAL QUALITY ASSURANCE
REPORT (AQAR) 2007-08

Prepared By

INTERNAL QUALITY ASSURANCE CELL (IQAC)

Submitted to
NATIONAL ASSESSMENT & ACCREDITATION COUNCIL
BANGALORE
2007-08

Introduction

The IQAC of the College was reorganized in the academic year 2007-'08 and the present cell consists of the following members

1. Mr.Kunhimuhemmad.K, Principal of the College. Chairman
2. Mr. Zacaria.T.V Coordinator.

Members

3. Mr.C .P. Muhammedkutty
4. Dr. E.K. Ummer
5. Dr.T.Krishnakumar
6. Mr. K.P. Premkumar
7. Mr. Askarali.A.
8. Mr. Muneer Valappil
9. Mr. Mohemmed Bhasheer N.
10. Abdu Razaque .P.M
11. Mr. Riyad. A.M.
12. Mr. K. Muhammadali

The Annual Quality Assurance Report (AQAR) of EMEA College of Arts and Science for the year 2007-'08 contains the following parts

- | | |
|---------|-----------------------|
| Part A. | Action Plan- 2007-'08 |
| Part B | Action Taken Report |
| Part C | Action Plan -2008-'09 |

Part A

Plan of Action for the Year 2007-'08

Following are the highlights of the plan of action of the college for the next year

- Prepare a detailed profile of the EMEA group of Institutions with a special focus on EMEA College of Arts and science.
- Silver Jubilee Celebration be organized with variety of programmes.
- Main Gate to be renovated and be declared as memorial of Late Seethi Hajee, the founder manager of EMEA College of Arts and Science.
- The construction of the ladies hostel Block III and IV to be started with the assistance sanctioned by UGC.
- The Add-on Course on Functional Arabic and Software Development be launched.
- Beautification of both sides of the entrance.
- The website of the institution to be modified.
- The pay revision of the non permanent staff.
- The construction of a new Seminar hall, Sports Hostel, Ladies room, Prayer hall to be started.
- Build two houses for two selected widows in the adopted village, Kumminiparamba
- Computer training programme for all teaching and non teaching staff to be provided
- Bring the institution under Minority Institution Act
- Career Guidance and Personality development programmes will be organized under the banner of CGCC (Career Guidance and Counselling Centre).

Department Level Programmes

P G Department of Economics

- To introduce project presentation for the PG students.
- The PG students will be given special training in Minitab and SPSS
- Preliminary test to be conducted for the selection of advanced learners.
- The advanced Learners will be provided with a 10 % concession in the text book library
- A department level training programmes in ‘Mathematical Economics and Econometrics’ for teachers to be organized.
- Text book library would be further strengthened.

PG Department of Microbiology

- Test papers will be conducted at the end of every month.
- One day seminar under the auspicious of Microbiology association
- Study tour for final year BSc microbiology students.
- One day industrial visit for II BSc Microbiology students.
- Feed back on teachers will be collected from students after each term and steps will be taken to improve the quality of teaching.

Department of Commerce

- Class room seminars to be effectively used as a means to develop the personality of the students.
- Poor students will be exempted from department library fee.
- The commerce Club proposes to subscribe fifteen more periodicals.
- The University level Commerce and Management Meet (COMMET) will be conducted in January 2008.
- Two day workshop on Project identification will be organized under the auspicious of Entrepreneurial Development Club and Department Of Industries, Kerala.

- Industrial visit will be arranged for the second and third year students during the first week of November.
- A study tour to India International Trade Fare , New Delhi and near by places will be organized during the third week of November.
- One day training programme for local ADS (Area Development Society)and CDS (Community Development Society) and ward members of Pallikkal Panchayath.
- PTA meetings will be held to discuss the performance of the students.

Department of English

- Performance of teachers will be assessed with the help of student's feedback.
- Classroom seminars and healthy debates will be conducted for each class on selected topics.
- Department decided to screen film of works in the classroom, to be studied for undergraduate level.
- Literary figures will be invited to present seminars.
- A preliminary examination will be conducted to evaluate first year students.
- Further strengthen department library.
- The department will conduct a 5 day tour program

Department of west Asian studies

- Monthly test papers to be conducted
- Student evaluation on teachers to be conducted
- A study tour to Agra and Delhi to be organized.
- Departmental seminar presentation for final year students to be introduced

Department of Biotechnology

- Test papers will be conducted at the end of every month.
- Monthly attendance percentage will be consolidated and displayed.
- Competitions like debates ,quiz , poster presentation will be organized
- One day seminar to be organized by the Biotechnology association.
- Industrial visit for final year students will be held in the last week of October

Department of Business Administration

- Department staff meeting at the end of every month.
- Unit test for all subjects.
- Personality Development programmes.
- Classes on career Guidance
- Industrial visits at least twice an year
- Study tour to New Delhi/ India international trade fare.

Department of Computer Science

- Conduct IT Fest, an intercollegiate festival for seminar, exhibition, interaction, trade fare, cultural programmes based on topics related to information technology.
- Study tour to one of the cyber cities in south India.
- Placement services be provided in association with well known companies.
- To conduct seminars on Net Working, Cyber Forensic, Artificial intelligence, On-line Lecture and Animation and Visual Effects.
- To organize a talk on Personality Development.

Department of Biochemistry

- Regular Unit test to be conducted
- Study tour to be organized
- Student evaluation on teachers to be carried out with the help of standard questionnaire

Department of Journalism

- Media workshop will be conducted in second week of January 2008.
 - Media Practical work book to be introduced.
 - MCJ entrance Coaching will be conducted.
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Part B

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

The following situations or materials disseminated information about the goals and objectives of the institution

- Annual Course Prospectus and College Calendar.
- Introductory Classes organized by various departments.
- Silver Jubilee Brochure, Invitation letters, Programme Notice etc prepared by the college.
- Public address by the representatives of the college management, teaching staff Alumni, Students Union, PTA, and other personalities closely associated with Ernad Muslim Educational Association in functions held on the campus. Moreover, the College Silver Jubilee celebrations also threw light over the aims and objectives of the institution.

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

The college has applied for both UG and PG programs. PG programs include in Commerce, English, History, and Computer science. The UG programs are in Computer Application, Environmental science and BCom with Computer Application. Even though the University of Calicut recommended these courses, the college could not start the programs for want of Government sanction.

3. Innovations in curricular design and transaction:

As stated in the earlier report, the present University system doesn't allow the affiliated colleges to play an active role in curricular designing. However the colleges can involve in the process indirectly as and when the faculty members are elected to various academic bodies. The following three categories of teachers of this college have been a part of the process.

1. Membership in Board of Studies

Sl no	Name of the faculty member	Position and academic body	Name of the university
1	Mr. Zacaria.T.V. Dept of Political Science	Member, Board of studies in West Asian Studies,	University of Calicut
2	Mr. A Mohammed, Dept of English	Member, Board of studies in Functional English	University of Calicut
3	Dr, Mohammed Haneefa Dept of Arabic	Member, UG Board of studies in Arabic	University of Calicut
4	Dr. E.K.Ummer, Dept of Economics	Member, UG Board of studies in Economics	University of Calicut

2. Membership in Faculty

Sl no	Name of the faculty Member	Position and name of the body	Name of the university
1	Mr. M.P. Abdulla. Dept of Economics	Member, Faculty of Humanities	University of Calicut
2	Mr. Zacaria. T.V, Dept of Political science	Member, Faculty of Humanities	University of Calicut
3	Dr.Muhammed Haneefa.P, Dept of Arabic	Member, Faculty of Humanities	University of Calicut

3. Academic Council

Sl no	Name of the faculty Member	Position and Name of the body	Name of the University
1	Mr. K.Kunhi Mohammed, Dept of West Asian Studies	Member,Academic Council	University of Calicut
2	Mr. Abdul Muneer.V,Dept of Journalism	Member,Academic Council	University of Calicut

Other major initiative in this connection includes

- ❖ Inspired by the recommendations of Committee on Curriculum Development in economics which submitted its report to the University Grants Commission (UGC) recently, Dr. E.K Ummer, of this college prepared a model curriculum for Undergraduate programme in economics for the University of Calicut. The department is planning to conduct a workshop for a detailed discussion. In this connection, it has submitted a proposal for *Seminar On “Undergraduate Curriculum in Economics: Issues, Challenges and Suggestions”* for UGC assistance
- ❖ “*Pass word*” a translation work by the BA English final year students of this college edited by Mr. K. P. PremKumar, Dept of English has been selected as one of the text books for MA Literature Students in University of Madras, Chennai.

4. Inter-disciplinary programmes started:

- ❖ **Add-on Courses in Functional Arabic and Functional English:** These UGC sponsored programmes are interdisciplinary in nature in the sense that it contains elements of Arabic, English and Computer Application.

5. Examination reforms implemented:

- PG Department of Economics has started a project submission seminar for MA Economics (Final Semester) students. This provides an opportunity to the PG Students to present their arguments in such manner they can express their talents in a nonconventional manner. The project evaluation system for PG students thus got reformed as it enabled the faculty members to evaluate the skill of the students to present a research topic.

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

The following students of this college which includes former students as well cleared NET/SLET/SET/JRF examinations during the report year

Sl no	Name of candidate	Subject	NET/SLET/SET/GATE Etc.
1.	Subhash A	Economics	SET Govt. of Kerala
2.	Mubheena.K	Economics	SET Govt. of Kerala

3.	Hafsath Thakkadiparamb	Economics	SET, Govt. of Kerala
4.	Mujeeb Rehman.P	Economics	SET Govt. of Kerala
5.	Bexima.K.T	Economics	SET Govt. of Kerala
6.	Hajra.K	Economics	SET Govt. of Kerala

7. Initiative towards faculty development programme:

The following faculty members attended various courses / workshops conducted by institutions duly approved by the University Grants Commission and other such agencies. The details are given in the following table.

Sl no	Name and department	Course/Programme	Institution
1	Abdul Muneer V. Dept of journalism	Refresher course	ASC, University of Hyderabad
2	Zacaria.T.V. Dept of Political Science	Refresher course	ASC, University of Kerala
3	Mr.Askarali.A	Orientation course	ASC, University of Calicut
4	Dr.E.K.Ummer	Refresher course	ASC, University of Calicut
5	Dr. Muhammad Haneefa	Refresher Course	ASC, University of Calicut
6	Miss Kamalam Edathil	Refresher Course	ASC, University of Calicut
7	Mr. K.P. Premkumar	Refresher Course	ASC, University of Calicut

8. Total number of seminars/workshops conducted:

Seminars/workshops/orientations programmes have immense utility in strengthening the traditional teaching and learning practices. The college has achieved remarkable achievements in creating situations for interactions with renowned persons

and to share their practical experience in their respective fields. A brief report of these programmes is given below.

IT QUEST-07

In connection with the Silver Jubilee celebrations of Ernad Muslim Educational Association, the Educational Agency which is running this College, the department of Computer Science organized a three day programme during 5th 6th and 7th December 2007. The main objective of this programme was to throw open our windows to the vast expanding vistas of information technology.

Expected Out Come

- Students and teachers get exposed to the world of IT
- Enhancement of Placement opportunities.
- The college gets membership in *Computer Association of India*
- Reputation of the Department and the College among IT circles.
- Strengthening a climate of pro-academic and career oriented ambience on the campus.
- Development of leadership qualities for the organizing students.
- Strengthen Department Alumni association

There were educational sessions, entertainment programmes, exhibitions, software debugging, online lectures, Alumni meet, etc. The highlights are:

- **Inaugural Session :** Following dignitaries attended the inaugural session

SI No	Details of Resource person / guest	Position/ Role
1	Mr. E.T. Muhammad Basheer, Former Minister for Education, Government of Kerala Former Education Minister, Govt of Kerala	Chief Guest, (Inauguration)
2	Mr. Gireesh Babu, IT management Expert and Former CEO, INFO PARK Cochin	Key Note Address
3	Mr.Bhasheerali Shihab Thangal, President EMEA	Presidential address

4	Mr. C.P. MuhammedKutti, Manager, EMEA Group of Institutions	Special Address
5	Dr. K Abdul Hameed .K. Principal, EMEA College of Arts and Science, Kondotti.	Principal's Address
6	Dr. T.P. Ahemmed , Principal, EMEA College of Teacher Education	Felicitation
7	Mr. P.K.Bhasheer, Member, EMEA Executive Committee	Felicitation
8	Mr. P.C. Shameer, Chairman, College Union	Felicitation

- **Educational Sessions**

The details of various educational sessions and programs could be summarized in the following table.

Sl no	Topic	Resource person
1	<i>Cyber Forensic</i>	Mr. C.A Biju, Cyber officer, Kerala High tech Crime Enquiry Cell, Thiruvanthapuram.
2	<i>Artificial intelligence</i>	Dr.A. Rajagopal, Natioal Institute of Technology, Calicut.
3	Demonstration class on “ <i>Mobile Technology</i> ”	Faculty team, Britco and Britco, New Delhi
4	<i>Animation: Visual effects in Films</i>	M/s.Mohan Krishna, Jain Joseph, and Fohin Thomas technicians from Prasad Effects, Mumbai
5	Sessions on Personality development	Mr. Mathew Immanuel, Junior Chamber International

- **Software Debugging Competitions:** around 30 students participated in the programme. M/s. Muhammed Habeeb and Yaser.M of SIST College, Kannure won the first and second prizes.
- **Stalls/Exhibitions:**

1. Medical Exhibition by Govt Medical College , Calicut
 2. Archeological Exhibition by Mr, M Veerankutty
 3. Exhibition (Mobile Phone and Accessories) by Britco and Britco, Kottackal
 4. IT Exhibition by Best India Computers
 5. Stall by Department of Business Administration
 6. Exhibition by Nature Club, EMEA College, Kondotti.
- **Entertainment Programmes:** The Organizing Committee has also arranged various entertainment programmes for the participants in the evening. This included Orchestra by Sing and Win fame team members and Gazzal by Muhammed Anas, a member of the college Alumni Association. In addition to this the delegates of the also staged variety programmes
 - **Participation:** Apart from students of this college around 200 college students from different parts of Kerala actively participated in the programme. More than Two thousand School Children from the nearby Schools also paid visit to various stalls and exhibition centers.
 - **Organization:** IT Quest was unique as a programme where the students of Computer science Department, especially the members of the IT Club devoted themselves for its grand success. It is a fact that, the initiative of this programme was from a group of BSc. Computer Science Students. Students formed the chunk of every major committee formed in this connection and showed unprecedented enthusiasm in mobilizing men and material for the success of this mega event. A Schedule of the Various committees is enclosed as appendix

Two-Day Media Orientation Programme

The department of Journalism has organized a two day Media Orientation programme on 26th and 27th January 2008. The main objective of this program was to make the students acquainted with specific areas of mass communication and journalism. In addition to this, there was also screening of films/documentary of world famous

directors. More than 100 students attended the programme. The content wise details is shown below

Educational Sessions

Sl No	Topic	Resource Person	Designation
1	Observing facts and fancies	Mr. Lal Mohan	Senior Sub Editor, Malayala Manorama Daily, Calicut
2	Radio Journalism	Mr. Betsy Ayampally	Senior Producer, Radio Mango, Calicut
3	T.V Journalism	Mr. Shajahan Kaliyath	Chief Reporter, Asianet News
4	Understanding the visual	Prof V.S.Sasibhushan Nair	HOD , Department of Mass Communication and Journalism, University of Calicut

Film/ Documentary Screening

Sl No	Film/Documentary	Language & Director
1	Modern Times	Charley Chaplin
2	Behind the Sun	Walter Salles
3	Night and Fog(documentary)	Alain Resnain

COMMET

Department of Commerce organized a University level meet of commerce and management students with an objective to empower them to identify and shape their career dreams. More than 300 students including nearly 100 from different colleges affiliated to University of Calicut attended the meet. There were sessions like

- ❖ Personality Development and inter personal relationship
- ❖ Stress management

- ❖ Memory Power
- ❖ Mock Press
- ❖ Business Quiz
- ❖ Brand-War
- ❖ Interaction with a successful businessman

The COMMET deserves special reference for the following specific reasons

- It was predominantly a programme by the members of the Commerce Club. The Students of Commerce department effectively used the event for the expression of their talents especially organizational abilities.
- The financial management was appreciable as the organizers mobilized almost all the resources required for the programme. This included advertisement, sponsorships, donations etc. The students of Commerce department voluntarily offered to meet a part of the expense.
- The organizers also ensured the participation of students from other colleges making the meet more effective and meaningful.

Interaction with Dr. A.P.J. Abdul Kalam

The most important event held in the report year was the interactive session with Dr. A.P.J Abdul Kalam, former President of India. While visiting the college in connection with the Silver jubilee celebrations, Dr. Kalam kindly agreed to interact with a group of 150 gifted students. They were selected from among the students of this college and from the following Schools in the district.

1. St. Gemmas Higher Secondary School , Malappuram.
2. MES Central School, Tirur.
3. Bharatheeya Vidhya Bhavan, Ramanattukara.
4. Jawahar Navodaya School, Malappuram
5. EMEAHS, Kondotti
6. PTMHSS, Kottukkara

In the interactive session students raised queries about issues like Indo-US nuclear deal, the disparity between defense expenditure and the allotment for social security measures. As he went on answering the questions raised by the talented, the rest

of the audience, a population of 5000 representing different walks of life perceived valuable pieces of information directly from one of the most distinguished scientists of India with the unique honor of receiving honorary doctorates from 30 universities and institutions and civilian awards - Padma Bhushan (1981), Padma Vibhushan (1990) and the highest civilian award Bharat Ratna (1997).

9. Research projects-

a) Newly implemented:

University Grant Commission has approved the following two Minor Research Projects in the departments of West Asian Studies and Economics. The title of the projects is

1. *'Development, Environment:-Social and Economic Impact of Development Induced Displacement- A Case Study of Calicut International Air Port'* with Mr. Abdu Razaque. P.M, Dept. of Economics as the Coordinator
2. *'Memory and Oral Tradition of Malabar Rebellion 1921'* with Mr. Ameendas A.P. Department of West Asian Studies as the Coordinator.

b) Completed:

The following MRPs were completed in the last academic year. They are:

1. MRP on *"Biochemical study of Garcina cambogia lectin and its application in the isolation of antigens from different bacteria"* by Dr. T. Krishna Kumar, Dept of Biochemistry,
2. MRP on *"Effect of strength training, mobility training and combination of strength and mobility training on range of movement and middle distance performance"* by Mr. V.P.Sakeer Hussain, Lecturer , Dept of Physical Education

10. Patents generated, if any:

Nil

11. New collaborative research programme:

Nil

12. Research grants received from various agencies:

College received research grants from University Grants Commission for Two Minor Research Projects and FIP assistance for three teachers during the year 2007-‘08.the details are given below.

Sl no	Name of the teacher	programme	Grant received
1	Mr. Jameela.P	PhD Under FIP Scheme(UGC)	15,000
2	Mr. M.P. Abdulla	PhD Under FIP Scheme(UGC)	15,000

13. Details of research scholars:

Teachers pursuing research for the award of PhD degree are;

1. **Mr. Abdulla M.P,**

Mr. Abdulla. M.P is a fulltime research Scholar under Faculty improvement programme under UGC X Plan. His topic is ‘*Trends, Causes and Consequences of Consumerism in Kerala*’.

2.**Mrs. Zabeena Hameed**

Mrs. Zabeena Hameed is about to finish her research programme on the topic ‘*Female Education and demographic Transition in Kerala with special Reference to Malappuram District*’ in the Dept of Economics, University of Calicut.

3.**Mr. Premkumar K.P**

Mr. Premkumar K.P is doing his research on ‘*Contemporary women Playwrights*’ under Prof. MV. Narayanan, Dept. of English, University of Calicut.

4. **Mr.Ameen Das A.P**

‘*Social History of Exiled Mappilas to Andaman Nicobar Islands*’ is the topic of Mr.Ameen Das A.P. He is doing his research in Dept of History, University of Calicut under Dr. K. Gopalan Kutty.

5. **Mr. Zacaria.T.V**

Mr.Zacaria.T.V is doing research on the topic ‘*Interface Between Trade Union And Environmental Movements: Case Studies Of Mavoor and Plachimada Agitations*’ under the supervision of Prof Mussafir Assadi, Dept of Studies in Political Science, University of Mysore.

6. Mrs. Shiji Thomas,

Mrs. Shiji Thomas is presently doing research on the topic on ‘*Synergistic Effect of Antimicrobial Agents*’ under the supervision of Dr. Fathimathu Zuhra, Dept of Life Sciences, University of Calicut.

14. Citation index of faculty members and impact factor:

Nil

15. Honors/Awards to the faculty:

1. Mr.V.P.Sakeer Hussain,(Director of Physical Education)

- **PhD Degree** was awarded doctorate degree from Annamalai University on the topic ‘*Effect of Strength Training, Mobility Training and Combination of Strength and Mobility training on Maximum Strength, range of Movements and 1500mts Performance*’ under the guidance of Prof. K. Vaithianathan, Director of Physical Education, Annamalai University.
- **Cash Award:** Mr.V.P.Sakeer Hussain, Dept of Physical Education received Special Cash Award as the manager of Kerala State Athletic team which won the overall championships in the National Games held Guhawathi, Assam. He and his team received a warm welcome at Trivandrum under auspicious of department of sports,Govt of Kerala.
- **State Selector:** Mr.V.P.Sakeer Hussain has acted as State Selector for Athletics, State Technical Official and Member, Malappuram District Sports Council during the report year.
- **Team Manager:** The services of Mr. Hussain as the Manager of University Athletic Team which won the over all championship in inter University athletic Meet held at MG University, Kottayam was also acknowledged by the University of Calicut .

2. Mr. Nalakath Bhasheer (Associate Professor, Dept of Commerce)

- **Joint Secretary:** Mr. Nalakath Bhasheer, elected to the posts of Joint Secretary, Kerala State Volley ball Association, Member, Volley ball Federation of India. He received honors for his leadership role in the organization of events mentioned below.
 - General Convener, 22nd Kerala State Youth volley ball Championships held at Perithalmanna.

- Convener, Selection committee, Kerala State Youth Boys and girls team to participate National youth Championships.
- Convener, Kerala State Mini Athletic Meet held at EMEA College ,Kondotti

16 . Internal resources generated:

Sl no.	Source	Amount generated
1	Fee collection from self financing courses	40,00000
2	Donations from the public	20,00000
3	Donation from PTA	2,50000
	Total	Rs.62,50,000

17.. Details of departments getting SAP, COSIST(ASSIST)/DST. FIST, etc.

Assistance/recognition: Nil

18. Community services:

- **“Shelter for the Needy Programme”**: Shelter for the Needy is an ongoing community service programme of this college. Spending an amount of Rs.1.5 Lakhs, the college Compulsory Social Service (CSS) has successfully completed the construction of a house for a poor family in the neighborhood village. The key of the house was handed over to the beneficiary in a function attended by dignitaries like Sri. K.C. Saithalavi, President ,Pallikkal Panchayath, Mrs Chelakkodan Aysha, the grand old women of Kerala who officially declared that Kerala is a complete literate State and several others. The house warming was held in a humble but elegant manner. Holding banners and placards students enthusiastically participated in the procession which started from the college Main Gate.
- **Silver jubilee of College National Service Scheme**: To commemorate the silver jubilee of college National Service Scheme, the four NSS units collectively constructed a house for Ms Sulekha, a local resident. This is a joint venture of National Service Scheme of the college and Pallickal Grama Panchayath. The teaching Staff of this college also cooperated with the project. Mr. Arimbra Muhammed Master, President, District Panchayath formally inaugurated the work.

- **Street play against consumerism and dowry:** The street drama troupe formed in the theatre workshop staged street drama in three places. Hundreds of men and women enjoyed programme.
- **Check Dam Construction:** Motivated by the ‘*Rain my Life campaign*’, the NSS volunteers of this college built a temporary check dam at Valakkandy, Malappuram district which is highly useful in reducing the severity of water scarcity in the area.

19. Teachers and officers newly recruited:

Nil

20. Teaching – Non-teaching staff ratio: 2:1

21. Improvements in the library services:

- ❖ The binding work of around 200 old books was completed during 2007-08.
- ❖ The departments of Economics, Commerce and English have added more books in their textbook library. The department of Commerce, English and Economics continue their special programme of lending text books for poor students at a subsidized rate.

22. New books/journals subscribed and their value:

No of books	Value in Rupees
835	2,54,714.00

23. Courses in which student assessment of teachers is introduced and the action taken on student feedback:

- a) BA English.
- b) BA Economics
- c) BA West Asian Studies
- d) BCom
- e) BBA
- f) BSc Microbiology
- g) BSc Biotechnology
- h) BSc Biochemistry

24. Unit cost of education:

Unit cost of Education including salary is Rs 20,000/- per student

25. Computerization of administration and the process of admissions and examination results, issue of certificates:

The following works are fully computerized

- ❖ Admission Process
- ❖ Issue of certificate
- ❖ Salary and arrear bill
- ❖ Income tax

26. Increase in the infrastructural facilities:

The following are the major infrastructure developments carried out during the year 2007-'08

❖ **P. Seethi Hajee Memmorial Main Gate:**

The EMEA fraternity is heavily indebted to Janab P. Seethi Hajee, for his invaluable services as the founder of the EMEA College of Arts and Science. While planning the Silver Jubilee celebrations, the present managing committee took a decision to construct a new main Gate in memory of Late. P Seethi Hajee. The design of the brick coloured edifice decorated by red sand stone is a mixture of Persian and traditional Kerala Architecture. The total cost of this was Rs.10 Lakhs.

❖ **Foot Path renovation :**

The footpath on the two sides of the road from the main entrance to the Administrative block was renovated during the report year. This includes laying interlock cement tiles, erecting of streetlights and planting of palm trees. The lawn set up in this area further added to the beauty of the frontage area of the campus. Total cost was Rs. 4.5 Lakhs

❖ **Visitors room**

The facilities in the visitor's room were upgraded in connection with the visit of Dr.A.P.J Abdul Kalam installing air conditioner and new furniture.

❖ **Personal computers**

The college has purchased 17 personal computers spending Rs. 3.5 Lakhs

- ❖ 20 pairs of new desk and bench worth Rs. 1 Lakh was added to the stock to furnish the new class room for second language.

27. Technology up gradation:

Sections dealing with admission and salary bills automated during this period

28. Computer and internet access and training to teachers and students:

All departments have been provided with computers. A computer training programme for 40 teaching staff and 10 non-teaching Staff was held under the Employees Training Programme of IT Mission Kerala. Akshya Centre, Pallikkal Bazar.

Apart from the Undergraduate programme in Computer science there are five programmes with Courses in Computer application as compulsory component (either main or subsidiary papers). These courses are useful for the students in acquiring skills to apply the ICT in the process of learning. The programmes are:

Sl No	Name of the programme	Course
1	Bachelor of Business Administration	Computer Application
2	BSc Microbiology	Computer Application
3	BSc Biotechnology	Computer Application
4	Bcom	Computer Application
5	BA West Asian Studies	Computer Application
6	MA Economics	Computer Application

The Students who do not have the opportunity to learn computer along with their regular programme are provided with the opportunity to join short term need based courses in computer fundamentals.

29. Financial aid to students:

Financial aid to the students is provided mainly in the form of fee concessions and Educational Scholarships. In addition to this, the college itself has brought about various endowments and schemes like student aid fund etc. for motivating the students. A summary is given below

- Fee Concession

Sl no	Student Category	No of Students availed the concession
1	Other backward communities	380
2	Scheduled Cast Community	172
3	Socially and educationally backward communities	29
4	Scheduled Tribe Communities	2
5	Forward caste communities	13
	Total	596

- Scholarships

Sl no	Category	No of Students availed the concession
1	Muslim Nadar Scholarship	80
2	Fishermen	02
3	Beedi workers	01
4	Physically Handicapped	05
5	Suvarna Jubilee Scholarship for BPL Category	42*
6	Merit Scholarship	01
	Total	131

- Suvarna Jubilee Scholarship

It is a new Scheme for BPL category students introduced by the Govt. of Kerala to commemorate the Golden Jubilee of the formation of Kerala State. The administrative office and class advisors rendered a commendable service for ensuring that every eligible student gets the new scholarship. In spite of the fact that the government sanctioned only 25 Scholarships for this college, 42 BPL category students were found eligible for the scholarships. Consequently all the applications were forwarded to the

Govt. with a request to increase the total number of scholarships which culminated in a success when the government raised the total number of scholarships from 25 to 42.

• **Endowments**

Sl No	Name of the Endowment	Instituted by	Students Received the Prize
1	Special Cash award for one each from BA, BSc, BCom classes who secure the highest marks(not less than 60 %) in University Examination	Dr. A. Moideenkutty, Relief ,Hospital	1. Anju Thakakachi, BSc Biotechnology. 2. Zaheera. Banu, BSc Biochemistry. 3. Anuji. P, BSc Microbiology. 4. Nafila C.H, BA English. 5. Mr. Prajeesh Thazhethedathil, BCom. 6. Summayya.B , BA Economics. 7. Rahila.P BSc Computer Science
2	Special cash award for girl student from final BA English class who secure highest marks in university Examinations	Prof. T.P Muhammad Kunhi, the founder Principal of EMEA College	Nafila. C.H,BA. English
3	Janab. K.Avu Kader Kutty Naha Memmorial Prize for Top Scorer in BCom	Janab.P.K.Abdurabb MLA	Mr. Prajesh Thazhethedathil, BCom.
4	P. Seethi Hajee Prize for	Janab.P.K. Baheer.	Summayya.B,

	Top Scorer in BA economicis Exminations	Management Committee member	BA. Economics
5	Janab N.V.Ibrahim Master Memmorial Prize for Top Scorer in MA Economics Examinations.	Prof.N.V. Suhadu Former Principal.	Miss. Nusrath .P.T. MA Economics.
6	Special Cash award for the top Scorer in BA West Asian Studies Examinations	Mr. K. Kuharu, Former Faculty member	Rukhiyya Neyyan BA. West Asian Studies.

- **Students Aid Fund**

The College maintains students aid fund for providing financial assistance to poor but deserving students. Mr. K. Kunhimammed, senior faculty member is in charge of the fund. Following 13 students received the assistance during the report year.

Sl No	Name	Class	Amount Paid
1	Sareena.K.K	I MAEconomics.	345
2	Hafsath.K.T	III BA English.	345
3	Jaseena.P.	III BA English.	345
4	Shaar Banu Eriyat	III BA Economics.	345
5	Nissar.P	II BCom.	345
6	Rukhiya.N	III BA WAS.	345
7	Kassim.C.K	II BA WAS.	345
8	Mubhashali.T	II BA WAS.	345
9	Sadique Ali.K.	II BA WAS.	345
10	Saheer.M	II BA WAS.	345
11	Muhammed Shafi	II BA WAS.	345
12	Bareera.C.A	II BA WAS.	345

13	Sainudheen.K.P	I BA WAS.	345
		Total	4485

31 Activities and support from the Parent-Teacher Association:

The college PTA actively supported for the following matters.

- ❖ Donated Furniture and sound system to the Silver Jubilee Seminar Hall.
- ❖ Support the College management to solve the conveyance problem of the students.
- ❖ Actively supported various programs like Silver Jubilee Celebrations, IT Quest, Commet and various other extracurricular activities organized by various departments.

32. Health services:

- ❖ Blood Detection Camp: College Red Ribbon Club in association with National Service Scheme organized a blood detection camp. Nearly 250 students took part in the camp.
- ❖ Visit to Red Ribbon Express: A group of 50 students paid a visit to Red Ribbon Express at Calicut. This AIDS awareness programme was a joint venture of national Aids Control Society and Indian Railways.
- ❖ A Seminar on “HIV: a Scientific Approach” was organized under the auspices of Life Science departments

33. Performance in sports activities:

The Department of Physical Education enthusiastically hosted various District, University and State Level Competitions during the year. The important events are:

1. Kerala State Sub Junior and Mini Athletic Championships.
2. Kerala State Blind Chess Championship.
3. Calicut University Inter Collegiate Athletic Championship.

The remarkable achievements in the field of sports are:

- **University Volley Ball Championship**

As a result of the collective effort of the council and physical education department the college volley ball team bagged the Calicut University Inter-collegiate

Volley ball Championship. Mr. M.S Varun ,Mr. Promodh and Mr.Vijesh .P.K was selected to the Calicut University team.

- **Sports Hostel:**

The long cherished dream to provide hostel facility to the volleyball players who hails from different parts of state was finally fulfilled when Kerala State Sports Council sanctioned a Sports Hostel exclusively for volleyball. The Govt of Kerala has appointed a permanent volley ball coach for giving scientific training to the players.

- **Selection to District /State Youth Volley ball Team:**

Three volley player; Mr.Jishad V.P, Mr.Arshad M. and Mr.Vijesh.P.K got selected to the district youth volley ball team. Mr. Vijesh.P.K was selected to the Kerala State Youth Volley ball team. He represented Kerala State in the National Youth Volley Ball Championship in 2007.

34. Incentives to outstanding sportspersons:

- **Sports hostel:** The Kerala Sports Council sponsored Sports hostel provides free accommodation and mess facility to 14 selected volley ball players from different parts of the state. A full time Volley ball coach appointed by the sports council, Mr. Joseph, is training the players.
- **Felicitation to Inter-zone Winners:** The college has won the Inter-zone Volleyball championships for the first time in 2007. The college Management organized a warm reception and distributed special cash awards to the players.

35. Student achievements and awards:

The following students of the college came up with achievements as shown against their name.

Sl no	Name	Achievement
1.	Rukhiyya Neyyan	First Rank In BA West Asian Studies Conducted By The University Of Calicut
2.	Raliya. P	Second Rank In BA West Asian Studies Conducted By The University Of Calicut

3.	Soudabi. P.C.	Third Rank In Ba West Asian Studies Examination Conducted By The University Of Calicut.
4.	Mr. Varun Kumar K.P.	Selected As Captain, University Volleyball Team, University Of Calicut.

36. Activities of the Guidance and Counseling unit:

- ❖ **Motivation class:** A programme was organized in association with ICICI for giving general guidance and counseling to the students regarding managerial skills. 95 students attended the classes which continued for five days the class.
- ❖ **Guidance for MBA Entrance Examination:** This training programme was held on the campus in association with TIME, Coaching institute, Calicut. 75 students attended the programme.

37. Placement services provided to students:

The career Guidance cell of the college provided the following placement services during the year 2007-08

- ❖ **Federal Bank Campus Recruitment:** The cell circulated the call for campus selection by the federal bank among the final year BA economics and BCom students and 17 students attended the recruitment held at Calicut and out of this, 13 students were short listed and selected for the final round recruitment. Finally 3 students of this college were selected as probationary officer.
 1. MujthabRahman, Areekkattil House, Airport, Kondotti
 2. MuhammedKutty, Cheerancheri, Pothupettippara, Malppuram
 3. Fazalul Rahman, Veralthodi , Kadangallure, Malappuram.
- ❖ **Campus Recruitment conducted by Calicut University Placement cell:** As a result of campaign organized by the placement cell 25 students attended the campus recruitment held at Calicut university, 3 students got selected to KINFRA
 1. Abdul Jaleel. K.V.
 2. Rahees Ahemmed
 3. Sabir.C

❖ **Campus Recruitment organized by Everonn India Ltd.**

Mr. Shabeer .K, Mr. Rasiq Kunnath and Mr. Abul Hassan of Dept. of Computer Science were recruited as technical associate in Everonn India Ltd.

❖ **Campus Recruitment organized by Big Leap:**

Big Leap is an agency collecting the details of Job seeks from the campus and makes the details available for the employers. This agency collected bio data of nearly 300 students and processed the information. They will communicate the opportunities directly to the job seekers.

38. Development programmes for non-teaching staff:

The Non- teaching Staff working in library, bill section, reprographic centre, admission, Transfer Certificates have given special computer training.

39. Healthy practices of the institution

Shelter for the needy programme:

The unique way through which this college implemented the Compulsory Social Service Scheme, a project conceived by the University of Calicut seems to be a fine case of healthy practice.

40. Linkages developed with National / International, academic /Research bodies:

Nil

41. Any other relevant information the institution wishes to add:

Nil

Part C

Plan of Action for the Year 2008-09

- Add 1000 more books to the central library and introduce the system of bar coding
- Update college website
- Continue ‘Shelter for the needy’ programme
- Finish the second stage of the construction of ladies hostel
- Encourage the use of audio visual/ICT teaching aids
- Encourage department to offer more add- on/skill oriented short term courses.
- Career guidance and personality programme should be organized
- Strengthen text book Libraries maintained by the departments

Departmental level programmes

1. PG Department of Economics

- Workshop for syllabus restructuring for UG class with the co-operation of Kerala State Higher Education Council.
- Apply for UGC granted national seminar under the topic “Social Science Research- a Rethinking on concepts , tools and methodology”
- submit a proposal for Add-on course on “ Quantitative Economics with Mathematica”
- Extend support to Dr. E.K.Ummer(Sr. scale lecturer) for the successful completion and publication of his work on Mathematics for economics, business and management
- Work for total computer literacy among PG students
- Strengthen text book library.
- Introduce cash award for the top scorer in university examination
- Socio-economic survey be conducted in Pallikkal Panchayath has to be carried out.

2. PG Department of Microbiology

- A National symposium, inviting research papers, poster presentation on “Hazards of Environmental Pollution in the Present Scenario” will be conducted.
- Apply for minor research project on “Synergistic effect on antibiotic on different micro organisms”.
- To utilize virtual lab for demonstration of certain topics with the help of LCD.
- To organize one day awareness camp on communicable diseases prevailing in Kerala for school children in the month of October
- Planning to organize an industrial visit to KINFRA, Kakkancheri, CWRDM, Kunnamangalam for the degree students.
- To continue the activities of the water portability testing centre
- Planning to introduce department text book library.
- Decided to award cash prizes to the University rank holders.

3. Department of Commerce

- Class room seminars be organised more frequently
- Use Audio-visual equipments like LCD projectors.
- Industrial visits to be arranged for the second year students during the first week of September, 2008.
- Give training in group discussions.
- To make the students acquainted with professional courses.
- Text Book Library facility is to be strengthened
- First week of October, 2008 is tentatively scheduled for the conduct of ComMet- the Commerce and Management Meet.
- To update the Department website (which started functioning in March 2008) in every four months.

4. Department of English

- Apply for a work shop on Communicative English for the High School teachers in Malappuram district. Mr. Roy.P.P shall work as the co-coordinator of the seminars/workshops.
- Screen the filmized version of plays prescribed in the syllabus.
- Strengthen the use of audio video aids
- Decided to make the class room student-centred giving them opportunities for discussions.
- Extension Service be provided to GMLP School, Kumminiparamba.
- Identify advanced learners and give them proper guidance for entrance tests to get progression to higher studies at reputed universities and centers.
- The system of Remedial Coaching be extended to maximum number of slow learners/ educationally disadvantaged sections.
- Make Literary Club a platform for expressing the literary and cultural talents of the students.

5. Department of West Asian studies

- Organise special training for the final year students to get selected to various central universities.
- Start department text book library.
- Provide special English coaching to those students who are weak in English.
- Organise Study Tour to North India.
- Provide sample entrance question papers of entrance examinations of various central Universities
- Organise a seminar on India-Middle East relations

6. Department of Biotechnology

- Syllabus oriented audio- visual classes to be conducted by the department once in a month in virtual lab.
- Organize a field visit to MS Sawaminathan research foundation, Wyanad for collecting the details of endangered species of fungi and algae in September.
- Conduct student interaction with experts from the University of Calicut.
- Organize industrial visits to companies and research institutions.
- Conduct one day workshop on vermicomposting for the ‘Kudumbasree ‘members
- Set up a biogas plant in the campus
- Start a departmental library
- Introduce cash award for university topper.

7. Department of Business administration

- Start Add-on course on Accountancy.
- Conduct a seminar on share market.
- A talk on product launching will be organized.
- Organise Industrial visit for second and final year students.
- Strengthen library books by making additional purchase.
- Conduct remedial coaching to slow learners.

8. Department of computer science

- An online course on C# dot net which helps the students in their project work.
- Talk on Hardware and Networking
- Organise a workshop on Networking will be organized.
- A short term course for the non-teaching staff to make them aware of computer and internet.

9. Department of Biochemistry

- Submit a proposal to UGC for a diploma/ certificate course in Quality Control, giving stress to food and beverages.
- Tutorial classes to be organized for slow learners.
- Poster presentation and science quiz to be conducted
- Guidance to be given to the students who are appearing JNU entrance test.
- Organize industrial visit for the department students.
- Organize a free cholesterol and blood pressure checking camp.

Appendix

Address and Interaction during the Silver Jubilee Celebration of EMEA College of Arts and Science, Kondotti, Malappuram

by

Dr. APJ Abdul Kalam (Former President of India)

5 February 2008

‘No youth today need to fear about the future

It doesn't matter who I am,

I will work, work and work,

All the forces of the universe will also assist me,

I will achieve what I dream,

Even reaching any part of our Galaxy’

I am delighted to participate in the inaugural ceremony of Silver Jubilee Celebrations of Ernad Muslim Educational Association (EMEA) and interact with Students and faculty members of EMEA College of Art and Science. I congratulate the Principal, Teachers, Students and Staff of this college, both present and past and also all those who have contributed for building the robust framework in shaping young minds and developing them to blossom as enlightened citizens for the nation. My Greetings to all of you during your Silver Jubilee Celebrations

While I am with you, I would like to recall one incident, which occurred during my childhood (Age 10). Each day when I returned home from my school in the evening, my father would have gone to namaz. And my mother would be performing namaz and look angelic. After Thakbhir position, she will recite two suras from Holy Quran. One starts with Alhamdhu, and the other "Lakkum, Theenukum". One day I asked my parents what is the meaning of Lakkum Theenukum? My mother in a graceful voice recited the sura "Lakkum Theenukum Valiyatheen" that is the end of the sura Alkhafeerun. My father said, "it means, everyone follows a path. He or she who decides the path is accountable for the actions". My father who was Imam of the local mosque elaborated, "my son, I meet my friends quite often as you would have seen me with Pakshi Lakshmana Shastrigal and Rev Father Bodal." Pakshi Lakshmana Shastrigal was a great Hindu devotee and the head priest of Rameswaram Siva Temple and Rev Father Bodal had built our Island's first church. In my childhood, I was indeed blessed to hear the discussion of the great three personalities. At least once in a week they met and discussed

on integration of thoughts from Holy Quran, Holy Bible and Bhagavat Gita. From the essence of their saying, I learnt, whatever religion you are, the path you select will lead you to the bliss, based on your good action.

The topic I have selected for the discussion is “No youth today need to fear about the future.

Dear friends, when I see you all, I see in you great doctors, great engineers, great social workers, great teachers, great judges, great political leader, even I see some of you may have an opportunity to reach and live in Mars. Let me share with you, what are the traits needed to accomplish these goals based on my experience.

I have seen three dreams which have taken shape as vision, mission and realization. Firstly, space programme of ISRO (Indian Space Research Organisation), AGNI programme of DRDO (Defence Research and Development Organisation) and PURA (Providing Urban Amenities in Rural Areas) becoming the National Mission. Of course these three programmes succeeded in the midst of many challenges and problems. I have worked in these areas. I want to convey to you what I have learnt from these three programmes based on my personal experience.

- a. Wherever there is a dream in life, that transforms into a vision and vision takes shape as many missions.
- b. The necessity of high level thinking to transform the Vision into Missions.
- c. Acquisition of knowledge from all sources.
- d. Working and working without boundary conditions till the realization of the mission.
- e. Leader absorbs the failure and takes the responsibility and gives the credit for success to his team while executing the Mission
- b. The experience that I have discussed with you friends, has given me few verses for you to remember in your life.

Mission in life

*I am great in thinking and in action.
I firmly believe that I can do any mission.
I will dream to live even in Mars.
It doesn't matter who I am,
I will work, work and work,
All the forces of the universe will also assist me,
I will achieve what I dream,
I will also reach any part of our Galaxy.*

Dear friends, now I would like to share with you some of the experiences and knowledge, I had during my education.

Giving an aim at right age

Our teacher said that he would take all of us to the seashore. That evening the whole class was at the sea shore of Rameswaram. We enjoyed the roaring sea waves knocking at the sandy hills in the pleasant evening. Birds were flying with sweet chirping voice. He showed the sea birds in formations of 10 to 20 numbers. We saw the marvellous formations of birds with a purpose and we were all amazed. He showed us the birds and asked us to see that when the birds fly, what they looked like. We saw the wings flapping. He asked us to look at the tail portion with the combination of flapping wings and twisting tail. We noticed closely and found that the birds in that condition flew in the direction they desired. Then he asked us a question, where the engine is and how it is powered. Bird is powered by its own life and the motivation of what it wants. All these things were explained to us within Fifteen minutes. We all understood the whole bird dynamics from this practical example. How nice it was? Our teacher was a great teacher; he could give us a theoretical lesson coupled with a live practical example available in nature. This is real teaching. I am sure many of the teachers in schools and colleges will follow this example

For me, it was not merely an understanding of how a bird flies. The bird's flight entered into me and created a special feeling. From that evening, I thought that my future study has to be with reference to flight and flight systems. I am saying this because my teacher's teaching and the event that I witnessed decided my future career. Then one evening after the classes, I asked the teacher, "Sir, please tell me, how to progress further in learning all about flight." He patiently explained to me that I should complete 8th class, and then go to high school, and then I should go to engineering college that may lead to education on flight. If I complete all my education with excellence, I might do something connected with flight sciences. This advice and the bird flying exercise given by my teacher, really gave me a goal and a mission for my life. When I went to college, I took Physics. When I went to engineering in Madras Institute of Technology, I took Aeronautical Engineering.

Thus my life was transformed as a rocket engineer, aerospace engineer and technologist. That one incident of my teacher teaching the lesson, showing the visual live example proved to be a turning point in my life which eventually shaped my profession.

Teacher becomes a family friend

I remember Rev Father TN Sequiera teaching Shakespeare in St. Joseph's college, Trichy where I studied. The students used to say even Shakespeare would be moved if he hears his lecture. Teacher knows what the student needs. It was true. He was also our new Hostel Warden. Every day Father Sequiera used to make a night visit to the hostels. It was called Father's visit. One day, I recall, my room mate M Sachithanandam was not well. When Father Sequiera met him he asked him what the problem was. He told him that he was having headache. For immediate relief, Father took aspirin from his robe and gave him the tablet. With concern, he immediately sent him to the doctor. In another incident he gave an inland letter to my friend in the next room and asked him to write to his parents, because Father Sequiera came to know that he was not writing to his parents. This is a beautiful experience and learning for me. Students saw in Fr Sequiera with parental care. In St. Joseph's College Library, Father Sequiera used to take special English class between 6 to 7 PM in the evenings for students who came from language medium schools. He also initiated us to read novels and biographies in simple English in six weeks time we were all comfortable in all English medium classes.

Teacher who loves teaching

Another great teacher, who is a living legend now is Prof. Chinnadurai. He taught me physics, particularly nuclear physics. The way the Professor taught, many students started loving physics, particularly nuclear physics. Rev Father Chinnadurai, when he was taking lessons used to give reference articles and good reference books, which the students can read. And the physics teacher ensured that we all refer physics textbooks during the lecture instead of only reading the notes. This widened the horizon of the learning of the students on a particular topic. In his 90's Fr Chinnadurai is staying in Dindigal and I meet him whenever I am in that area. The method of teaching of Fr Chinnadurai is important for making the student a life long autonomous learner, which is essential for continuous contribution for the growth of individual, and thereby to the nation. The best learning takes place when the teacher infuses a creative learning habit in the students and makes it an enjoyable part of life long quest for knowledge. Even today whenever I meet him, he radiates his sense of enlightenment.

Teacher radiates knowledge

Now I would like to discuss about my mathematics teacher Prof Thothadri Iyengar. As a young science student, I had an opportunity at St. Joseph's College to witness a unique scene of divine looking personality walking through the college campus every morning, and teaching Mathematics to various degree courses. Students looked at the personality who was a symbol of our own culture, with awe and respect. When he walked, knowledge radiated all around. The great personality was, Prof Thothadri Iyengar, our teacher. At that time, 'Calculus Srinivasan who was my mathematics teacher, used to talk about Prof Thothadri Iyengar with deep respect. They had an

understanding to have an integrated class by Thothadri Iyengar for first year B.Sc. (Hons) and first year B.Sc. (Physics). Thus, I had the opportunity to attend his classes, particularly on modern algebra, statistics and complex variables. When we were in the B.Sc first year, Calculus Srinivasan used to select top ten students to the Mathematics Club of St. Joseph's, whom were addressed by Prof Thothatri Iyengar. I still remember, in 1952, he gave a masterly lecture on ancient mathematicians and astronomers of India. In that lecture, he introduced four great mathematicians and astronomers of India, which is still ringing in my Prof. Thothatri Iyengar explained, based on his analysis, that Aryabhata was both an astronomer and mathematician, born in 476 AD in Kusuma-pura (now called Patna). He was known to represent a summary of all Maths at that point of time. Just when he was only 23 years old, he wrote his book ARYABHATIYAM in two parts. He covered important areas like arithmetic, algebra (first ever contributor), trigonometry and of course, astronomy. He gave formulae for the areas of a triangle and a circle and attempted to give the volumes of a sphere and a pyramid. He was the first to give value of "pie". He discovered that the earth takes about 365 days to orbit around the sun. Prof. Thothatri Iyengar always puts the student to take a pride in India's contribution in astronomy and mathematics and puts the students ahead. This great teacher combined his knowledge of science with his deep insight into many aspects of our civilisational heritage. They are Aryabhata, Srinivasa Ramanujan, Brahmagupta, Bhaskaracharya. Let me discuss one.

Teacher empowers the students with moral science

While I was in St. Joseph's College, I uniquely remember the lectures given by the highest authority of the Jesuit institution Rev Father Rector Kalathil. Every Monday, he will take a class for an hour. He used to talk about good human beings present and past and what makes a good human being. In this class he used to give lectures on personalities such as Lord Buddha, Confucius, St. Augustine, Califa Omar, Mahatma Gandhi, Albert Einstein,

Abraham Lincoln and moral stories linked to our civilizational heritage. In the moral science class, Father Kalathil used to highlight the best aspect of, how the great personalities have been evolved as good human beings through parental care, teaching and companionship of great books. Even though these lessons were given to me in 1950's during my college days, they inspire me even today. It is essential that in the schools and colleges, lectures are given by great teachers of the institution once in a week for one hour on civilizational heritage and derived value system. This may be called as Moral Science Class that will elevate the young minds to love the country, to love the other human beings and elevate them to higher planes. Moral science class of Father Kalathil paves the way.

Conclusion

Friends, India today have a mission of transforming itself into a developed nation with value system. This is a great challenge. This can be achieved through our youth power. Youth has got the power of ideas, ambition, enthusiasm and ability. This resource of the youth is an important building block for transforming India into a developed nation. Friends I would like to assert that “No youth today need to fear about the future”. How? If you have an aim in life, realize that spent time cannot be recovered hence the precious time has to be used for achieving the goal, have confidence to win, have confidence to defeat the problems and succeed and have a righteous heart, you will definitely succeed in all your missions.

The teachers in student’s life, what they can give? In an integrated way it can be said, that any enlightened human being can be created by the teacher through providing two unique characteristics. One is building capacities among the students to inquire, to innovate, be creative, entrepreneurship and moral leadership. Second is the development of moral value system. The noble life practiced by the teacher indeed becomes a beacon light to the students. Let us hear the tribute given by the great teacher Albert Einstein to the teacher: “The ideals which have lighted my way, time after time, have given new course to face life cheerfully have been kindness, beauty and truth”. This is the mission of a teacher. It will be a God given gift to the student, to have great teachers who can give and give the learning module and the way of beautiful life.

With these words, let me once again greet you all on the occasion of Silver Jubilee Celebrations. My best wishes to all the Students, Teachers, and Staff of EMEA College of Art and Science success in their missions of developing as enlightened citizens and actively participating in transforming India into a developed nation well before 2020.

I would like to administer a seven point oath

1. Wherever I am, a thought will always come to my mind. That is “What can I give?”
2. Whatever the mission I will do, my motto will be “Work with integrity and succeed with integrity”
3. I will always remember that “Let not my winged days, be spent in vain”.
4. I realize I have to set a great goal that will lead me to think high, work and realize the goal.
5. My greatest friends will be great human beings, great teachers and great books.
6. I firmly believe that no problem can defeat me; I will become the captain of the problem, defeat the problem and succeed.
7. My National Flag flies in my heart and I will bring glory to my nation.

May God bless you

Dr. APJ Abdul Kalam