

# **INTERNAL QUALITY ASSURANCE REPORT**

**Submitted to**

**The National Assessment and Accreditation Council, Bangalore**

**MAHATMA GANDHI COLLEGE**

**THIRUVANANTHAPURAM**

**2008-2009**

## PREFACE

*The Mahatma Gandhi College community proudly presents the annual report for the year 2008-09 before the NAAC. The report was developed through a combined effort of all the staff and students of the institution with liberal support and encouragement from the management and IQAC taking the leading role. The report reflects the concentrate of the accomplishments of the institution in the post accreditation period and truly reflects its aspirations to setup new benchmarks in the march towards excellence.*

**Convener IQAC**

**Principal**

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# **ANNUAL REPORT FOR THE YEAR 2008-09**

## **PART A**

We feel proud to present the annual report for the academic year 2008-2009, with strategic planning at the centre stage. The College Planning Board and IQAC functioned in unison for preserving the academic ambience of the institution in addition to caressing the usual administrative, co-curricular and extra-curricular activities. The annual plan for the year 2008-09 has been formulated as per the perceptions of the annual report of the preceding year. However, due significance has been attached to resource mobilization for academic excellence. All routine academic activities have been taken care of and every endeavor has been made for increasing the use of ICT in teaching and learning. Initiation of academic audit, modernization of internal examination system, nurturing the club activities and launching of talent hunt etc. are some of the programs, the results of which will facade and garnish the institution during the succeeding years.

### **1. Curricular Aspects**

The curricular programmes of the institution have been strengthened by increased use of ICT, especially at PG level. Communicative English classes and activities undertaken by the various clubs made significant contributions by enriching and supplementing the curriculum. The curricular activities have been effective in elevating the self-confidence of the students. Nevertheless germane attempts have been made to institutionalize the programs, though its ultimate objective was to harness, integrate and assimilate the supplementary academic programs for enriching the curriculum.

At the time of admission itself students are enrolled in the IT Club, thereby enabling their free access to the computer lab. The internet facility which is being provided at a nominal cost will have to be made totally free for increased use of e-learning facility. The increased accessibility of computer lab and the assistance extended to students has improved the IT enabled learning. Increased computer literacy enabled the UG and PG students to handle their University online registration with precision. Students who are already computer trained have been rendering yeomen

service by engaging in 'peer teaching' during their free hours. Majority of the students hold the membership of one or more campus clubs engaged in co curricular activities, the contributions of which during the year have been admirable.

## **2. Teaching Learning and Evaluation**

Attaining the status 'College with Potential for Excellence' (CPE), a tool for boosting the academic ambience has been our long cherished dream, preparations for which have been kicked off last year. Being a 'marvelous accomplishment' in the chronological evolution of the institution, the opportune decision for the same was taken by the IQAC during the year. It is apparent that the institution in its march towards excellence needs substantial resources for sustenance of quality standards and inculcation of innovative practices, the avenues for the same are being expedited by the College Planning Board. Acquisition of sophisticated instruments is a prerequisite for achieving international standards in generation and dissemination of knowledge, and proposals for surmounting this bottle neck could be generated. Study of oriental and foreign languages skills has improved much by the acquisition of modern IT tools and facilities like language lab. Individual departments have been asked to bank on their expertise for generating resources through external funded projects.

The students were evaluated as usual by conducting term-end and model exams, progress reports and open houses. However student feedback enabled us to make the academic transactions effective, regular, systematic and user friendly by mitigating the hurdles identified. Remedial coaching for poor performers and slow learners has been strengthened with the effective tutorial system. The tutors could monitor the problems of their students and initiate timely and follow up action.

## **3. Research, Consultancy and Extension**

All the research departments of the college have been performing well during the year. But the need for strengthening the research infrastructure cannot be overlooked in the light of the new research initiatives in different frontier areas. The Department of Physics has been selected for financial assistance under the FIST programme of DST, Government of India and is expected to receive a good sum of money during the next 5 years. This can contribute to the strengthening of the research infrastructure and quality of P.G education and the Department is expected to contribute substantially by

strengthening research in material science, radiation physics, ceramics and laser studies. Several departments could generate research funds through projects submitted to various agencies like UGC, KSCSTE and DST. During the current year the department of physics has plans to mobilize project funds from UGC and KSCSTE.

#### **4. Infrastructure and Learning Resources**

A number of new instruments have been procured by different departments during past few years and duplication of instruments has been noticed. Hence the concept of a **Common Facility Centre** for the college is being recommended for sharing the facilities between the user departments. All the purchases are brought strictly under a centralized purchase committee for ensuring quality and transparency in transactions. The IT infrastructure of the college has to be improved by inducting more desktop computers; coupled with the existing wired CAN facility. This will enable more effective academic transactions and increased use of power point presentations. The PG students are using this facility for their seminar and project presentations and the Departments have been buoyant in organizing sessions for presenting M.Sc. projects as contemplated by the IQAC, and the best projects awarded suitably. This year we have plans to purchase international quality books and subscribe to new journals, national and international. The list of books and journals is being excluded for ensuring brevity of the report. However the increased number of good quality library books and journals will testify the strategy adopted by the institution.

#### **5. Student Support and Progression**

The students seeking admission to colleges after 14 years in schooling, including Pre School, have certain difficulties in adapting to the college environment. The psychological problems of students create troubles for the parents also. Proper counseling programmes should be initiated for the newly admitted students and their parents. The college has a counseling centre under the auspices of Psychology department which extends its service to all needy students. The centre motivates the students and helps them to resolve their problems. Career guidance and placement cell of the college often organizes personality development programs and mock interviews to help students for choosing the right career for getting placement and the same has to be continued.



## **6. Governance and leadership**

The corporate management system of the college has its well constituted bodies in assisting the Principal in the day-to-day administration of the college by tackling the innumerable academic, administrative and financial problems. These bodies like the College Council, IQAC, Planning Board, PTA, Academic Committee, Research Committee etc with well defined powers and responsibilities, headed by experienced and efficient members of the faculty implement and monitor the academic and administrative matters.

The procurement of costly instruments requires increased facilities for safe custody which can be done by improving the security arrangements. The compound walls and fencing should be strengthened and the movement to and from the campus monitored expeditiously from the security point of view. A biometric system is also being contemplated for implementation in succeeding years. The identity cards issued to students and staff should be used for regulating and monitoring frequent entry and exit during the working hours. Wearing of identity cards while inside the campus has to be made obligatory. The entry and exit system for students and staff should be revamped by properly signed exit passes .Ban on the use of mobile phones within the campus should be properly enforced.

## **7. Innovative practices**

The college should attach more significance for NET coaching as it is offering nine PG courses. Though there are a few collaborative research programs especially with scientists from other institutions, it has to be promoted in a big way to compensate for the lack of sophisticated instrumentation facilities. As Thiruvanthapuram city has a number of premier research institutions, tie up with those institutions can improve the research output of the college. Inter departmental collaboration has to be given more attention by setting up the central instrumentation facility. A good number of students in the institution are from economically backward sections of the society. The college should initiate steps to facilitate these students in their studies by instituting awards and endowments.

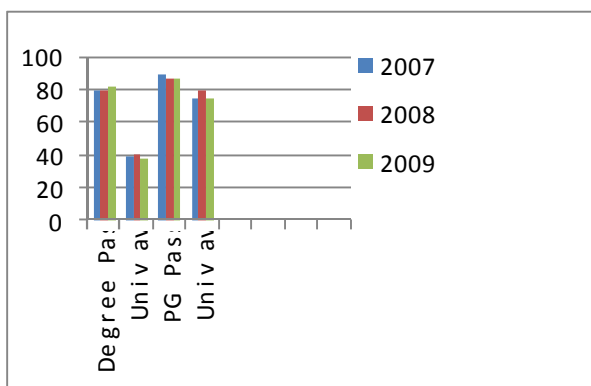
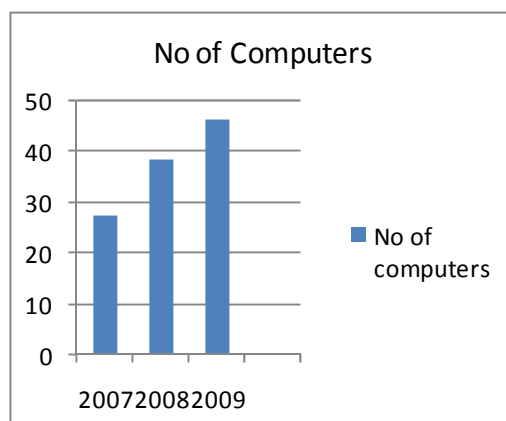
NET coaching classes initiated by some departments have to be institutionalized and augmented making available more books and other facilities. All the clubs in the

college are actively involved in activities useful to the students and the society at large. The various club activities have to be encouraged and expanded for increased student participation. Women study cell, Nature club, Forestry club, Tourism club, Science Club etc. have to organize an assortment of programmes to shore up the academic activities of the college.

### Accomplishments during 2008-09

The year 2008-09 was a year of achievements in a variety of fields for the institution. A new multi-disciplinary add-on course, jointly conceived by the faculty of Economics, Botany and Zoology could be initiated. Computer literacy and career guidance programmes could attract more students. The facilities of the computer lab could be improved to meet the increased demand of students.

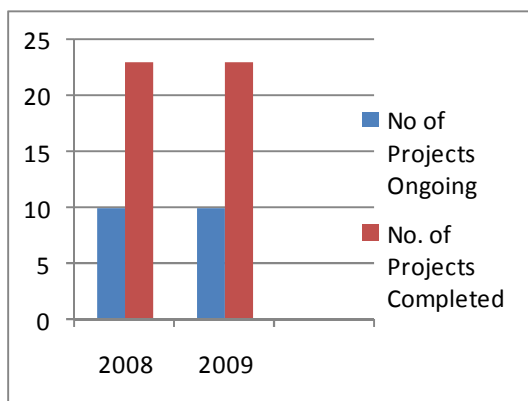
A proposal for setting up a full fledged language lab and multi –media lab with e learning facility was submitted to the UGC. The annual results showed that we were able to maintain high performance with results well above the University average in all subjects. The pass percentage for UG courses was more than eighty with around 40% students getting first class .For PG courses the pass percentage was more than 80%, majority of them getting first class and distinction.



## Comparison of the results and percentage of first classes – (UG and P.G).

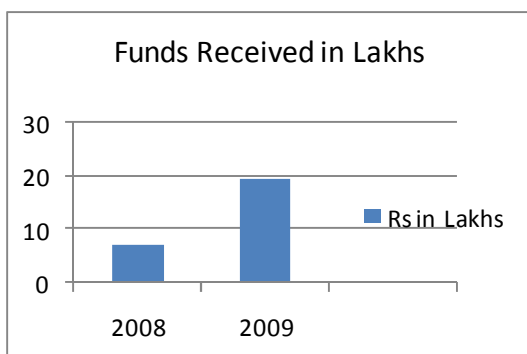
The institution conducted two terminal examinations and a model examination, the conduct of which was entrusted to an adhoc examination committee. PTS meetings were convened after the publication of results and parents were informed of the performance of students. The research arena showed good progress by an increase in the number and outlay of external funded projects. A qualitative change was felt in the P G projects submitted by students and three P G projects received assistance from KSCSTE, Govt. of Kerala during the period.

## Ongoing and completed projects during 2008-09

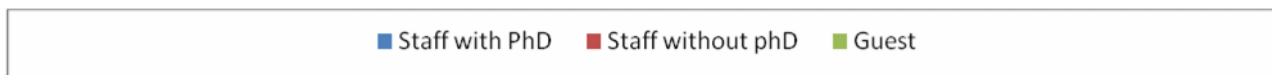
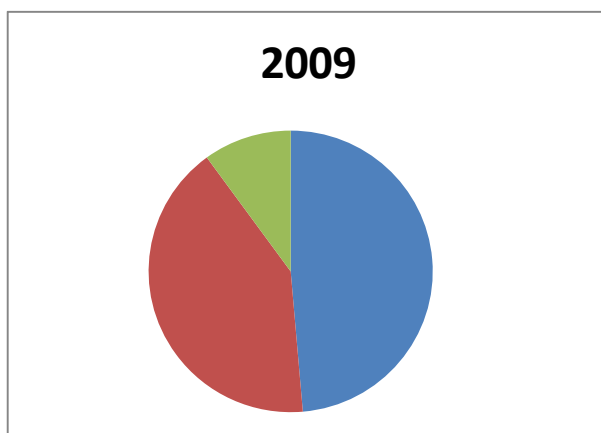


## Research funding during 2008-09

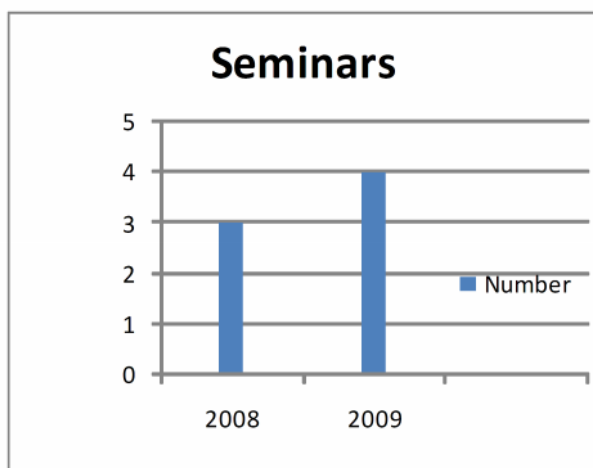
There was substantial increase in the financial outlay of external funded projects during the last three years. As compared to 2007-2008, the current year showed a five fold increase in research funding as shown in the bar diagram, resulting in the increase in number of research publications in journals with high impact factor. The research departments could also attract more students during this period. It is to be mentioned that two CSIR JRFs and one UGC JRF have chosen the Department of Chemistry as their research centre. Another University first rank holder with fellowship from KSCSTE opted the Department of Zoology for doctoral research.



The faculty made use of the Faculty Development Programme (FDP) of the UGC for their research leading to Ph.D and it resulted in significant increase in the number of faculty members with Ph.D. The period also showed an increase in the number of approved research guides of the institution.



Interdisciplinary research collaborations also doubled during this period. Seminars and workshops organized by the institution as well as that attended by the faculty also showed significant improvement. Seminars and workshops conducted by the institution.



## **PART B**

### **Activities reflecting the goals and objectives of the institution**

Mahatma Gandhi College aims at providing free and fair quality education to all, particularly the weaker sections of the society. Education should cater to the mental and social development of the individual. The motto of the institution truly reflects the vision and mission of the Nair Service Society. (NSS)

1. The admissions are in accordance with the rules and regulations of the University with ensured transparency. The merit list is published in the college website and is publicized through the news papers. Interview cards are sent to candidates well in advance to make sure that top students get admission in our college. The reserved seats if remains vacant are filled up as per norms and the socially and disadvantaged sections are given due priority in the admissions.

The management quota of 20% of the seats reserved for the meritorious without any capitation fee. Economically weaker students are given concessions during the time of admission.

- 1) Merit is given due consideration during the recruitment of teachers. Many of the teachers recruited have exceptional academic records with doctoral and post doctoral experience and creditable research publications.
- 2) The college has the maximum number of working days due to lack of student unrest and the peaceful atmosphere prevailing in the campus. The teachers ensure maximum teaching hours as many of the students belong to socially and economically under privileged classes. They cannot even think of private tuition due to financial constraints.
- 3) Teachers are always given encouragement for their teaching, research and extension activities. The management itself organizes workshops on project funding and other aspects. This has improved the teaching learning process and research activities of the college.

- 4) Streamlining of the different club activities has contributed to strengthening the skills of students. The curricular, co-curricular and extra curricular aspects are given equal emphasis for the overall development of the student. **(Appendix 1)**
- 5) The National Service Scheme and NCC units function well and all activities are given full support.
- 6) The activities of the Physical Education Department are conducted with the help of college sports council and the college has made remarkable contributions in sports.
- 7) Career guidance and counseling services are offered to students. Teachers take extra effort to improve the employability of students by organizing classes improving soft skills.

### **New Academic Programmes initiated**

New courses can be started only with the sanction of the Government and University. A counseling programme for students and parents was initiated this year and expert counselors lead the sessions organized separately. This was found to be useful in acclimatizing both students and parents to the new learning environment of the college.

### **Add-on courses**

We are planning to start an innovative add -on course on Homestead farming and SHGs, the proposal for the course has been forwarded to the UGC. The add on course on retail marketing management is being continued.

### **Computer literacy programme**

The college computer club is running a programme to train the staff and students on the use of computers. Students are trained on fundamentals of computer applications by experts in the field. This is particularly advantageous to students who belong to socially deprived classes and hail from rural areas. **(Appendix 2)**

## **Terminal examinations**

Examination is an important part of teaching learning process. The college is regularly conducting three examinations every year according to the University examination pattern. Valuation of answer scripts and issue of progress cards are done systematically.

## **P.G courses**

All the PG courses have the project work component. The project generates a lot of new knowledge and information which normally remain with the student and guide alone. But we have developed a programme for dissemination of this knowledge to the academic community. All the post-graduate projects are now being presented before an audience consisting of students and teachers and the best project is given an award. This has brought in a healthy competition and improved the quality of P.G projects.

## **Innovations in curricular design and transaction**

Curriculum design occurs in the realm of the University and academic transaction process within the college is planned and organized by the Academic Committee. The college has been trying to supplement conventional class room teaching with IT enabled techniques. This finds a new dimension by the increased internet use by students for carrying out their assignments and seminars. The college is planning to use the IT techniques for internal examinations in the near future. The specific recommendations of the academic committee are summed up.

- 1) Collect the teaching plan from all teachers with 40% of topics to be taught in the first term, 40% in the second term and 20% in the third term. The academic committee will monitor its compliance periodically as per guidelines stipulated. Based on the proposal of the academic committee, teachers prepare their teaching plan incorporating the co-curricular and extracurricular programmes.  
**(Appendix 3.1, 3.2)**
- 2) The components of learning include assignments and seminars.

- 3) Three internal examinations are conducted at the institution level before the annual University examinations and an adhoc committee oversees the conduct of the examinations.
- 4) We need to have more ICT enabled classes for teaching, the program for which has been initiated.
- 5) The Peer teaching programme has been strengthened by inducting more students.
- 6) As there are a large number of socially and economically under privileged students, remedial classes are arranged for the poor performers.

## **INTER DISCIPLINARY PROGRAMMES STARTED**

### **Inter disciplinary teaching and collaboration.**

Though the college has certain interdisciplinary teaching schemes for creating inquisitiveness among students, university level programs could not be initiated due to academic bottlenecks at the university level. Departments of Physics, Chemistry, Botany and Zoology are engaged in collaborative research programmes. The programmes are summarized in the table below.

<b>Programme</b>	<b>Parent Department</b>	<b>Collaborators</b>	<b>Teachers involved</b>
Phytochemical studies on Medicinal plants	Chemistry	Botany Zoology	Dr. M.D Ajitha bai (Chemistry) Dr. M. Jayasree (Botany) Dr. P. Madhusoodanan Pillai (Zoology)
Crystal growth	Physics	Chemistry	Dr. K. Rajendra babu (Physics) Dr M R Sudarsana Kumar (Chemistry)
Labour migration	Zoology	Economics	Dr P Madhusoodanan Pillai (Zoology) B. Sreekumaran Nair



## **Interdisciplinary add-on course**

Proposal for an add on course with collaboration of the faculty of Zoology, Botany and Economics was developed and submitted to the UGC for approval.

## **Examination reforms implemented**

The success and stability of all educational programmes depend on the successful examination system. The examination process for UG programmes has three components.

1) Annual examination conducted by the University 2) Internal evaluations conducted by the institution 3) Internal examinations conducted by the college. At present there is provision for internal assessment for humanities, social sciences and commerce. Internal evaluation is mainly based on the internal examination conducted by the college. Usually internal examinations were randomly organized by teachers and a general pattern was absent. Internal examinations are now conducted on the basis of a general time table. Valuations as well as issue of progress cards are prescheduled. Immediately after the valuation parents are summoned and the performance of each student is evaluated.

## **Candidates Qualified: NET/SET/GATE etc.**

The training for NET and SET is organized by the Career and Counseling Cell using teachers from different disciplines and remuneration is given as per UGC norms subject to availability of funds. Training for the general paper is given for the whole group of students and subject topics for different disciplines are organized by respective departments. The students are also given opportunity to answer previous question papers (**Appendix 4**)

## **Number of Students Qualified For Net and Set From Different Disciplines During 2008**

Number of students qualified for NET from different disciplines during 2007-08

<b>No</b>	<b>Department</b>	<b>Students qualified for NET</b>
1	Mathematics	2
2	Physics	2
3	Chemistry	1
4	Botany	1

5	Zoology	1
6	Economics	1
7	Commerce	1
8	Malayalam	2
9	Hindi	-

### **Initiative towards Faculty Development Programme**

The Faculty is given encouragement to enrich their academic credentials. The teachers are encouraged to participate in national and international seminars and present papers. Many of our faculty members also deliver invited talks in seminars. The college has an impressive record in the numbers of teachers attending the seminar and presenting papers.

<b>No</b>	<b>Department</b>	<b>No. of teachers</b>	<b>Papers presented</b>
1	Mathematics	3	3
2	Physics	7	22
3	Chemistry	4	4
4	Botany	7	7
5	Zoology	5	10
6	English	9	9
7	Economics	3	5
8	Commerce	9	28
9	Sociology	3	3
10	History	3	9
11	Malayalam	6	6
12	Hindi	9	56

### **Deputation of Teachers for Research.**

Teachers are deputed for M.Phil or PhD under the faculty development programme of the UGC. As many of our faculty members have already acquired Ph.D., only a few teachers could be deputed for Ph.D. during this period (**Appendix 5**).

No	Department	No. of teachers
1	Mathematics	1
2	Chemistry	1
3	Economics	1

### **Encouraging Departments to Organize Seminars and Workshops.**

All departments are encouraged to organize seminars and workshops and the college provides full infrastructure support for all seminars supported by external agencies like the UGC. In cases where adequate funds are not available internal sources are tapped to generate sufficient funds. The institution hosted one National and two state level seminars during the period.

### **Felicitations to Teachers for Their Academic Achievements**

Teachers who receive honors/awards, acquisition of new degrees, publish new book and papers in reputed journals are felicitated in staff meetings.

### **Seminars / Workshops Conducted (Appendix 6).**

The institution gives good support to the organization of seminars and workshops by departments. The academic community also recognizes its significance and renders adequate support and interdisciplinary participation.

Three types of seminars are organized in the college.

- a) National or State level programmes organized with the help from financing agencies like UGC, KSCSTE.
- b) Seminars conducted with the help of PTA. Student seminars organized by Departments.

The institution provides the infrastructure support and financial help when needed. A well furnished seminar hall with latest audio and video support is available for the organization of these functions. The PTA (Parent teacher Association) encourages departments to organize seminars and offer financial support. These are usually one day activity organized with the participation of students of the whole department. Students

and teachers of other departments who are interested in the topic also attend such programmes.

The student seminars are organized by all departments and usually remain as a class affair. Usually students of one class and in some cases students of the same department may participate depending upon the nature of the subject that is being presented.

## Research Projects

### a. Newly Implemented

SI.No	No.of. Major projects and Agency	No.of Minor projects and agency
1	1 - UGC	3- UGC
2		1- KSCSTE

### b. Completed

SI.No	No.of. Major projects and Agency	No.of Minor projects and agency
1	2- KSCSTE	2-UGC
2		1-KSCSTE

Research is an important component of higher education. The institution organizes research at two levels. 1) Faculty research 2) Student research. Faculty research is centered mainly on the research projects of the teachers and almost all departments have projects associated research. In addition to this the institution has 23 research guides who are doing active research. Former members of faculty, some eminent scientists and faculty members of other institution also serve external guides. Seventeen minor and seven major projects have been completed in the institution so far (**Appendix 7.1, 7.2**). 2008 witnessed the successful completion of four major and one minor project, Four minor and one major project were awarded to the faculty during this

period. At present there are 10 minor and two major ongoing projects. The total outlay of the major projects is 31.5 lakhs and that of the minor projects are 440000.

In addition to external funded research projects, each P G students carries out a research project as part of the curriculum. The knowledge generated by the projects is shared during project presentations and are often published as a mark of quality.

#### **Number of Student Projects Organized by the P G Departments**

<b>No</b>	<b>Department</b>	<b>No. of projects</b>
1	Mathematics	20
2	Physics	16
3	Chemistry	14
4	Botany	14
5	Zoology	15
6	Malayalam	10
7	Hindi	16
8	Economics	14
9	Commerce	19

The student projects are usually funded by the institution itself. KSCSTE (Kerala State Council for Science Technology and Environment) also funds certain science projects (@ Rs 7500). One project in botany obtained such support during the current year.

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

No patent could be generated by the institution during this period.

#### **New collaborative research programme**

The frontiers of research are expanding day by day leading to a situation where different branches of knowledge overlap. Hence integrated and multidisciplinary and collaborative efforts are essential for solving problems with exactitude. Chemical research is increasingly getting linked to biological sciences not to say of its association

with physics and mathematics. Mathematical problems pertaining to real situations require the collaboration of all branches of science. Even social sciences and language studies also resort to the use of scientific tools for data analysis. It is in this perspective that the nuances of collaborative research assume contextual significance. Even though the research programmes initiated during the academic year were confined to specified branches of study many of our ongoing research programmes are collaborative in nature and two types of collaborations are often observed. **(Appendix 8)**

1. Interdepartmental Collaboration (within the college)
2. Collaboration with External Premier Institutions/ Agencies

### **Research collaborations in Mahatma Gandhi College**

No	Collaborating Departments	External Research Institutions
1	Botany & Zoology	1) NIIST Trivandrum 2) Rajiv Gandhi institute of Biotechnology, Trivandrum 3) IIT Madras
2	Physics, Zoology	1) CUSAT( Cochin) 2) IIT, Madras 3) IISC Bangalore
3	Chemistry	1) VSSC, Trivandrum 2) IIT, Madras 3) IISc, Bangalore
4	Chemistry	1) TBGRI, PALODE 2) Rajiv Gandhi institute of Biotechnology, Trivandrum

### **Research grants received from various agencies (Appendix 9)**

The importance of research in higher education is well established. Research activities of teachers and involvement of students in research is the parameter for ascertaining the quality and output of any academic accomplishment. The institution has

been extending unstinted support to research activities and every possible effort has been made for strengthening the avenues of knowledge generation. However modern good quality research is an expensive affair which requires substantial funds. The institution conducts project formulation workshops and supports teachers in research resource mobilization.

### **Research funds received by M G College during 2008-09**

No.	Agency	Amount (Substitute salary + Contingency)
1	UGC	13,000
2	UGC	13,000
3	UGC	13,000
4	FIST	2,20,000
5	UGC	8,25,000
6	KSCSTE	22,500
7	UGC	13,000
8	UGC	86,000
9	UGC	50,000
10	UGC	45,000

### **Details of Research Scholars**

There are at present seven research departments in the college and many teachers are recognized research guides of the University of Kerala. The institution has at present 21 research guides in the faculty. Forty seven students are working for their PhD under these guides. **(Appendix 10, 11)**. In addition to the research scholars working under the guides of this institution, students working under the guides registered through this institution are a given facilities. Students of teacher guides who have retired from service are also doing their research here. Thirty one guides come under the last two catagories and 21 students under them are working here. **(Appendix 12)**

## Research scholars of the College

No	Department	Name of Guide
1	Physics	11
2	Chemistry	7
3	Botany	3
4	Zoology	5
5	Malayalam	1
6	Hindi	7
7	Commerce	8

## Citation index and Impact factor

The institution produced 18 publications of the faculty in national and international journals. The citation index and impact factor of the articles and journals are listed in the table. The list of publications is appended. (**Appendix 13.1,13.2,13.3**)

No	Department	No of Publications	Range of citation index	Journal impact factors
1	Mathematics	1		
2	Psychology	1		
3	Chemistry	4	0.564 to 0.368	1.367 to 0.34
4	Botany	5	1.369 to 0.83	1.367 to 0.53
5	Zoology	4	0.432	0.358

## Honors/Awards to the faculty

The faculty of Mahatma Gandhi College is active in many social, cultural and literary circles. These activities often bring laurels and recognitions for individuals and the institution. A good number of our faculty is active in visual media also. **Dr. Mridula Nair, B.** Head of the Department of Psychology was honored by the Rotary Club for her contribution to her Youth Leadership programme.

### **Dr. K. Jyothish Kumar Dept. of Malayalam**

- 1) Kavitha Award of Kanyakumari Malayalasangamam



- 2) International appreciation of Asia Pacific Broadcasting Union to the Radio programme 'Mrithyuvil njan marikka'
- 3) Kavitha Award of Keltron Recreation Club
- 4) Award of ISRO Staff Association
- 5) AIR National Award for innovative programme to the script '**Hello Ithu Njananu**
- 6) International appreciation of Asia Pacific Broadcasting Union to the Radio programme '**Mrithyuvil njan marikka**'
- 7) 18<sup>th</sup> International grant- pre recognition to the Radio programme '**Heirs to Heaven**'

### **Internal Resources Generated**

Since M G College is an aided institution internal revenue generation has its own problems. The fee collection as well as salary to permanent staff is managed by Government and the college generates some funds through contributions from PTA (Parent Teacher Association) which is mainly used for improving the facilities, payment to temporary staff and for supporting extra-curricular programmes of students.

#### **PTA contribution during 2008-09 and pattern of utilization**

<b>Total Fund actually Generated</b>	<b>Heads of Expenditure</b>	<b>Amount</b>
19,00,000/-	Salary to guest teachers	3,35,000/-
	Repair and maintenance, construction cleaning, etc	2,50,000/-
	Electricity, water, telephone bill payments including arrears	6,15,000/-
	Seminars, workshops	1,15,000/-
	Meetings, Examination, stationary	2,15,000/-
	<b>Total</b>	<b>15,30,000/-</b>

Computer club collects one time membership fee of Rs 100 from the newly admitted students and the fund is utilized for providing IT services to students. The fund generated during 2008-09 under this head is given below.

<b>Fund Generated</b>	<b>Heads of Expenditure</b>	<b>Amount</b>
Membership - Rs 76000	Payment to staff	35000
Fee for services - Rs 20000	Stationary	10000
	Internet charges	10000
	Repair	15000
	Additions to infrastructure	25000

### **Details of Departments Getting SARD, COSIST ASSIST)/DST.FIST, etc.**

Department of Chemistry of the college has been receiving assistance under SARD (Special Assistances for Infrastructure Development) scheme of the Government of Kerala, provided by KSCSTE (Kerala State Council for Science, Technology and Environment). The total assistance of Rs 14.5 lakhs had a non-recurring part of 9.5 lakhs and a recurring part of Rs 5 lakhs. The non-recurring grant was utilized for purchasing equipments and the recurring part for purchasing chemicals and glassware.

### **(Appendix 14)**

#### **Details of SARD support to the Department of Chemistry up to 2008**

<b>Schemes</b>	<b>Amount</b>	<b>Outcome</b>
Non-recurring	950000	Two projects
		Five PhD programmes
		5 MSc projects
Recurring (2005-06)	150000	
Recurring (2006-07)	150000	
Recurring (2007-08)	150000	

The Department could bring out 8 publications during the period and the Department was selected for assistance under FIST programme of DST, Govt. of India this year. The scheme provided financial assistance of Rs15 lakhs over a period of two

years for purchase of equipments, books and setting up a computer lab in the Department.

## **Community Services**

**National Service Scheme (N S S):-** Three units of N S S lead by three teachers are associated with the community activities. A combined annual ten day camp is conducted every year for the members of NSS for creating social awareness. It is usually conducted in rural areas where the members do community services and interact with the local administrators and society. They are made sensitized to the problems of the society in which they live so as to enable them to take up leadership in solving social problems. They also support the cleaning activities of the college; organize blood donation camps and environmental awareness programmes.

**National Cadet Corps ( N C C ) :-** An important area of activity of N C C is the community services. They serve as volunteers for blood donation and formulate programmes for cleaning, road construction/ repair, slum renovation and tree planting etc.

**Club activities :** “ Swanthanam” is a group of students and teachers who have special interest in community services. They have adopted a backward village which the students frequently visit and involve in service activities such as cleaning, road construction/repair, caring of the diseased, teaching of illiterate etc.

**Department activities:** Students of sociology and psychology departments visit old age homes and spend time with the destitute that have been deserted by their families. Psychology students have a programme for offering counseling services to school students.

**Science Popularization:** The KSCSTE has selected the college for science popularization and programs like environmental and energy awareness were organized under its auspices.

## **Teachers and officers newly appointed**

Consequent to the shifting of pre-degree classes to the school level and the resultant excess teachers in colleges, the government imposed restrictions on the

appointment of permanent teachers in colleges. Hence during the year most of the vacancies have been filled by guest faculty members.

Name of the teacher	Department.	Natureof the post	Qualification
Dr K Vineetha	Mathematics	Permanent	PhD

### Teaching and non teaching staff ratio

The college has 94 members on the faculty and 50 members on the nonteaching staff during the year as the Government imposed a ban on the appointment of new staff during 1998 were not lifted. Hence teaching posts that fell vacant during the period were filled by guest lecturers who are paid by the Parent Teacher Association (PTA)

No of teachers	No. of non-teaching staff	Ratio
94	50	1.9: 1

### Improvements in the library services

The college has a central library of more than 52000 books and department libraries have a good collection of subject books and reference books. Books are issued to students and faculty by both the Central and Dept libraries and the same is being monitored centrally. The college has a library advisory committee that supports the library functions and makes recommendations to the Principal.

The library has a good collection of referred scientific journals, national and international magazines. It has a host of local and national newspapers, past examination question papers and project reports. The library is fitted with high speed internet connection. The reading room space is insufficient to meet the growing demands of students. The well established library caters to the need of the undergraduate and post graduate students, research scholars and the faculty. The library functions on an open access system for the faculty members and the research scholars. But the student access is prescheduled to avoid overcrowding. The library remains open from morning till evening on all working days and has a large collection of books and journals. It subscribes to about 20 international journals in various disciplines of science, commerce and humanities. Services such as lending of books, reading room,

reprographic facilities and bibliographic reference and information are rendered by the library. In the near future the library will be expanded with more books and furniture. The software is being updated. In addition to the regular functioning during class hours and intervals extended library hours are offered during the examination time. The books are categorized and stocked for easy access and the library software is very helpful issue of books stock entry and audit. The purchase of books is made under the supervision of the library committee. The department libraries also function efficiently... The Head of the Department or an authorized teacher issues books to the students. Subject based journals and their back volumes are also made available in the department libraries for increased availability and access. A programme for increasing internet facility in the central library is being planned. This will be followed by online subscription of more journals which will boost the research activities of the institution.

### **BOOKS AND JOURNALS PURCHASED DURING 2008-2009**

During the current year 801 books were added to the stock at the cost of Rs 172925 the expenses of which were met by UGC (Rs 56920) and the P.D account of the College (Rs116005).Subscriptions to many journals also has been made. **(Appendix 15)**

<b>Number of books</b>	<b>UGC</b>	<b>PD</b>	<b>Journals</b>	<b>TOTAL</b>
801	56920	116005	10000	182925

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

Feed back from the stakeholders is an important source for self improvement and updating and the institution gives much importance to the feed back from students, parents and staff. The institution is adopting a two pronged strategy for direct feed back collection.

1) PTS meetings 2) Feed back collection through questionnaire

The first type of feed back is collected during parent, teacher, and student meetings. Normally three such term end meetings are arranged for each class during an academic year. The student performance is assessed with the help of the attendance and test-paper or examination marks in the presence of their parents and the meetings

usually start with an address from the Principal. The Head of the department then makes general remarks on the activities of the department followed by class tutor who makes a presentation about the performance of the students. The is supplemented by the subsidiary and language teachers who also talk about the performance of the students in respective subjects. The parents and students are encouraged to express frank opinion. The feedback from parents is also collected by filling a questionnaire about the functioning of the college in general and the department in particular. The students are then divided into small groups and the group tutors discuss the general performance of the students of the group and the class tutor generally oversees the PTS meetings.

The second type of feed back collection is organized by the college using the printed questionnaire enabling students to present their views regarding the functioning of the office, library, laboratories, canteen, departments etc. and the different practices followed. This feed back data is compiled and consolidated which forms a useful guide for the preparation of the action plan for the next year.

Another method of feed back is organized by some teachers who use it as a means of self improvement. Teachers ask the students to express their opinion about the teaching methods, teaching styles, degree of comprehension by students etc. The students need not disclose their identity in filling up the forms. This data is used for self improvement by some of the members of the faculty. **(Appendix 16)**

### **Unit cost of Education - 2008-09**

<b>Year</b>	<b>College budget</b>	<b>PTA budget</b>	<b>Computer Lab</b>	<b>No. of students</b>	<b>Unit cost of education</b>
2008-	70480034	1530000	96000	1889	38171
2009		96000			

### **Computerization of administration and process of admission etc Admission**

College has been following computerized admission process for the past six years. The application forms are issued by the conventional process as per the university rules the filled up applications are processed using computers to generate the

rank lists. Admissions are based on the computer generated rank lists and published in the college website.

### **Office management**

The computerized salary bills, computer assisted admission process etc were continued and more computers were installed (see data from infrastructure facility) in departments to increase the accessibility of departments for making the administrative system more efficient.

### **Fee concessions**

Fee concessions and grants from Government and University are processed on line. Students have to apply online and institution has to verify it and forward the application. Monthly statement of attendance and progress reports are submitted online. The amount sanctioned is credited to the bank account of respective students.

### **Management**

Mahatma Gandhi College is owned and managed by the Nair Service society which has 17 similar colleges and more than 200 schools under its management. The Management has adopted extensive computerization in the administrative process. The Principals have to submit the monthly details of attendance of students, examination results etc using interne facility. Day to day communications regarding different administrative matters is also carried out through the internet.

### **Internal Administration**

The Principal uses the LAN as well as the internet facility to collect data from departments. The colleges regularly publish the monthly attendance of students. The teachers have to submit the attendance to the head of department who after scrutiny will forward it to the principal. All these processes make extensive use of computers.

### **Increase in Infrastructure Facilities of the College**

Mahatma Gandhi College functions with the sole objective of providing quality education to all. The practices involved in current educational programs require greater infrastructure support than that required by the conventional ones. This is especially significant in the case of science disciplines and more instruments and software were

added to the existing infrastructure during the year. The infrastructure also require periodic up gradation to cope with the fast developing technologies. The college always strives to keep its educational infrastructure tuned to the latest available technologies.

New instruments acquired during 2008-09

<b>No</b>	<b>Instrument</b>	<b>Number</b>	<b>Department</b>	<b>Funding source</b>
1	Microscope-Olympus-Model HAS	3	Botany	UGC
2	Student Microscopes	3	Botany	UGC
3	pH meter	1		UGC
4	Double glass distillation unit	1		UGC
5	Electronic balance	1		UGC
6	Abbey Refractor	1	Chemistry	FIST
7	Fume hood	1	Chemistry	FIST
8	Electronic balance	1	Chemistry	FIST
9	Melting point apparatus	1	Chemistry	FIST
10	Multispeed centrifuge	1	Chemistry	FIST
11	Deep freezer	1	Chemistry	FIST
12	All Glass double distillation Unit	1	Chemistry	FIST
13	Wrist action shaker	1	Chemistry	FIST
14	Magnetic shaker	1	Chemistry	FIST
15	Vacuum pump	1	Chemistry	FIST
16	Micro controlled pH meter	1	Chemistry	FIST
17	3KVA UPS	1	Chemistry	FIST
18	HP1015 MFP Colour laser	1	Chemistry	FIST
19	Desktop computers	10	Chemistry	FIST
20	Flame photometer	1	Chemistry	FIST
21	Polarimeter	1	Chemistry	FIST
22	Auto titrator	1	Chemistry	FIST
23	IR cabinet	1	Chemistry	FIST
24	UV cabinet	1	Chemistry	FIST
25	Heating mantle	1	Chemistry	FIST
26	Digital potentiometer	1	Chemistry	FIST



27	Water analyser	1	Chemistry	FIST
28	Muffle furnace	1	Chemistry	FIST
29	Polarograph	1	Chemistry	FIST
30	Electronic balance	1	Zoology	UGC
31	Weswox microtone	1	Zoology	UGC
32	Binocular microscope	1	Zoology	UGC

### **Infrastructure for the Departments of Physics and Chemistry**

The labs of physics, chemistry have been updated using the FIST fund. A separate computer Lab has been set up in the Department of Chemistry and the UG, PG and research students are making good use of the new equipments. The computer Lab in the Chemistry department is used to train the students in computational chemistry. The introduction of computers and LAN has made the documentation and data sharing much easier and fast. New research initiatives were started during the year. More space could be allotted to research students and new projects were undertaken.

### **Humanities**

The departments have libraries with essential books and journals purchased on the basis of the demand of the students. Digital cameras were purchased by departments to make documentary films and new departmental projects were initiated. The department projects like conducting seminars and workshops were undertaken. More furniture and supplies needed for the equipments were purchased. The departments are provided with computers, scanners, copiers and printers.

### **Physical Education**

The fitness centre of the department was expanded with new equipments. The facilities of the fitness centre are made use by the athletes, students and faculty of the departments. The sports persons of the University, State and National events are greatly benefited by these improvements.

### **Seminar Hall**

The seminar hall is an important learning center for the students where they can present their papers involve in group discussions and listen to invited lecturers etc. The

seminar hall has an overhead projector, a computer and an LCD projector which makes the presentation more attractive and easy.

### **Office Automation.**

The office was partially automated during the year. This has made the functioning of the office fast since the documentation and bookkeeping is much easier using the computers. Printer, scanners, copiers, internet and LAN are available in the office. The office LAN is part of CAN which makes document sharing easier and faster.

### **Technology upgradation**

#### **Renovation of LAN**

Computers of the different departments were networked and the system was upgraded with an advanced and user friendly software. There is a proposal for the implementation of WiFi which may become functional soon.

#### **Office automation**

In addition to salary bills and PF schedules more functions were automated during the period. The different types of fee concessions and scholarships are now automated. The students have to apply online for fee concessions and scholarships. After proper verification they are forwarded to the Government. The allotment as well as dispersal has also been automated. All students have to open bank accounts and scholarships are operated through these accounts.

#### **Communication**

A good part of the communication with the management is now carried out through internet. Periodic reports of the attendance and progress of the students are sent as mail attachments. The communication to University and other authorities are also mostly done online.

#### **Improved library automation**

A detailed database of the books and journals is available and a seminar was organized to make the research scholars and PG students aware of the open access sources on the web. As the subscription to online journals is prohibitively costly for

institutions like us, the research scholars and students are also encouraged to be members of the Kerala University Library where there is a subscription to Science Direct and a host of other online sources and a rich collection of journals of all disciplines. Some research scholars and faculty make use of the VSSC and NIIST Library. The Centre for Development Studies, Kerala Council for Historical Research library is frequently used by the faculty and students.

### **Technology upgradation in science laboratories**

<b>No</b>	<b>Area</b>	<b>Old technology</b>	<b>New technology</b>	<b>Departments</b>
1	Laboratory heating	Gas burners	Electrical heating Microwave heating	Chemistry
2	Weighing	Chemical balance	Electronic balance	All science departments
3	Determination of melting points of solids	Thermometry	Digital instrument	Chemistry
4	Shaking of reaction mixtures	Hand shaking	Mechanical shaking Magnetic stirrer	Chemistry
5	Titrations	Manual	Mechanical	Chemistry
6	Drying	Exposure to air	IR lamps	Chemistry
7	Conductance and resistance measurements	Dial meters	Digital meters	Physics, Chemistry
8	Microscopy	Visual methods	Digital output	Botany & Zoology

### **Internet Training to Teachers and Students**

A programme for internet training to PG students and research scholars was organized this year through the computer lab. A nominal membership fee was collected from the students and the registered ones were given free access to the internet. The internet facility was expanded by acquiring broad band connection and increasing the number of net connected computers.

## Scholarships available to students

The following scholarship schemes are available to students. Six agencies are involved in this activity.

1. Central government
2. State Government
3. University
4. Management
5. College
6. Special agencies

Twenty six scholarship schemes are available to students. The schemes are listed in appendix 29. The total amount distributed under the sanctioned scholarships schemes during 2008-09 are listed. **(Appendix 17)**

No.	Scholarship	Amount
1	National Merit Scholarship	4500.
2	Mannam Nidhi and Kanakajubilee Scholarship	4000
3	N S S Endowment	15000
4	Muslim Nadar girls Scholarship	10000
5	Kerala State Govt. Scholarship	3000
6	Hindi Scholarship	52000
7	Kerala State Suvarnajubilee scholarship	210000
8	Single girl child Scholarship	100000
9	Cini workers Scholarship	3000
10	Central sector Scheme	10000

## **Activities and support from the alumni association**

The alumni association of the college has a long history and has the association of many prominent personalities from all walks of life. Under the banner of MGCOSTA, the alumni have been functioning to promote the welfare of the institution and its students since its inception in the seventies. Its activities included the support for infrastructure development, providing resource persons for seminars, workshops etc. and help students in placement.

The alumni meetings provide a good platform for the old students to reassemble. People from different walks of life come together for sharing their experiences with the students and is a good learning experience. In addition to the college alumni, the alumni associations of individual departments meet separately and host separate functions. This year the commerce alumni have planned a cultural fest. The alumni are eager to offer its help in career and placement of the students. Seminars for acquiring placement skills and experience for facing interviews have been organized with the help of alumni.

## **Activities and supports from the Parents teachers association**

Parent Teacher Association (PTA) is having an important role in the functioning of the institution. The decisions are taken by the executive committee which is an 11 member body with the Principal as the president and five elected members from teachers and parents. The committee meets frequently, reviews the functioning of the institution, give financial sanctions and discuss the future plans. The activities of the organization may be grouped under the following headings.

### **Salary to temporary staff.**

Only salary of regular staff is met by Government. Consequent of a ban on appointments by Government, a number of teaching posts are remaining vacant. The PTA meets the salary bill of guest lecturers appointed to these posts. Security staff and cleaning staff are also paid by the PTA.

### **Support for academic programmes**

Seminars, invited talks etc organized by departments are also funded by PTA which encourages such programmes by making a budget allotment to such activities.

The PTA also also meets the expenses of the college level examinations since Government funds are inadequate for this purpose.

### **Repair and maintenance**

Routine repair and maintenance works are funded by PTA and provides help for meeting the increasing energy and water bills. The PTA is supporting internet facility in the computer lab. The salary of a computer assistant and the salary of the two security staff are met by the PTA.

### **Student discipline**

The PTA actively involves in student problems and cases of indiscipline. The meetings of parents of each class are organized three times a year. These meetings review the progress of each student individually. This is a matter of great help in maintaining the educational standards of the institution.

### **Health Services**

A programme for student and parental counseling was organized for the newly recruited students and their parents.

1. The department of Psychology organized poster exhibition, seminars on mental health and related problems.
2. An eye donation class was organized and many students and staff came forward extending their willingness to donate eyes.
3. The health card programme & the service of a part time trainer initiated by the department of Physical education has been found effective and continued this year.
4. Women Study Unit conducted session for parents on 'Effective Parenting 'and was very well appreciated.

<b>Date</b>	<b>Activity</b>	<b>Participants</b>	<b>Resource personal</b>
17-7-08	Eye-donation orientation	Staff & students	Doctors from Govt: Eye hospital, Tvpm

10-10-08	Poster exhibition	Mental health	Staff & students of Dept of Psychology
11-10-08	Talk	Adolescent mental health	Swamy Aswathy Thirunal (Ekalayashramam)
21-1-09	Early detection of suicide	Students & Faculty	Dr.Satheesh chandran (clinical psychologist, Kerala mental health centre)
12-8-09	Counseling for parents	Parents of Ist D.C	Dr.Kumari Bhagavathy Hod, Govt: Womens College, Thiruvananthapuram

### **Performance in sports activities (Appendix 18)**

Our college, one of the leading institutions in the University of Kerala, has consistently been showing outstanding performances in the university intercollegiate sports and games competitions. We also play a valuable role in bringing up sports persons to national and international levels.

We make sincere efforts to attract sports talents to our college and follow professional as well as transparent system of enrolling sports persons into our college. The college organizes long term coaching camps and sufficient practice matches before proceeding for the University competitions, particularly in our priority areas.

#### **PERFORMANCE CHART- 2008-09**

**(University Intercollegiate Championships only)**

<b>Discipline</b>	<b>Position</b>	<b>No. of Performers Selecte to the University Squad</b>
Cricket	Winner	04
Water polo	Winner	06
Swimming	Runners up (Women)	03
Swimming	Runners up (Men)	02
Softball	Runners-up	02

Tennis	Runners up	01
Cycling	Runners up (Women)	01
Volleyball	Third place	02
Athletics	(Individual)	01
Wrestling	(Individual)	01
Power Lifting	(Individual)	01
Football	Semi-finalist	03
.....		
	Total	27

### **Student achievements and awards**

Gayathri S Nair secured II rank in BSc Chemistry. The achievements in sports are listed above.

### **Incentives to outstanding sports persons**

#### **Physical infrastructure**

The institution always tries to encourage sports activities of the students. It has more than enough physical infrastructure to facilitate the growth of any committed sportsman.

#### **Expert coaching**

Our sports promotion activities concentrate on the provision of facilities for practice and training. Coaching by experts and practice matches are frequently arranged.

#### **Academic support**

Spending a lot of time for practicing, matches and competitions causes the student to lose a lot of classes. We have a programme for helping such students to catch up with the regular classes he/she has lost due to involvement in sports activities. Special classes are exclusively arranged for such students. We also organize felicitation functions for outstanding achievements. The college has own facilities for promoting almost all sports activities except swimming. The services of two qualified teachers and one part-time marker are available to the students interested in sports activities. Even



though the college has no facilities for swimming and water sports, the institution often bags the University championship in these events. This is materialized through tie up arrangements with water authority Trivandrum, who has the necessary facilities. An important way in which the institution supports the sports personal is through the arrangement of special classes exclusively for sportsmen. Through this activity, the sportsmen usually fair well in the examinations.

### **Activities of the Career Guidance and Counseling Unit:**

A career guidance and counseling centre is functioning in the college. The teachers in the cell offer guidance to the students. The cell has a room in the main block which is manned during intervals and students are free to approach for advice. Counseling services are mainly arranged by the Psychology department of the institution. The department has also a separate arrangement for free counseling service to students. The guidance and counseling unit by the department of Psychology continued its activities. The Mental health club, of this unit conducts yoga classes, counseling for the needy students, inter-departmental awareness programmes etc. The counseling unit that was started in our sister institution HHSPBM NSS College for Women ,Neeramankara continued during the year also. Faculty of the college were resource persons for various T.V channels resolving mental agonies As usual ,this unit organizes sessions for students (1<sup>st</sup> Degree )for crisis management & effective way of living.

### **Career Guidance and Placement 2008-2009**

Career guidance and placement cell is the forte of the college. The objective of the cell is to inspire, motivate and to equip the students to face challenges in the competitive examinations and job market in the present world scenario. It conducts classes, counsels the students in career options , conducts workshops in association with other firms , conducts mock interviews , helps students in downloading and uploading applications, train them to participate in group discussions and arrange lectures by eminent career experts. It also keeps in touch with firms which conducts campus interviews.

Career guidance and placement cell operates from a room in the college. It has to its credit a good number of CDs and books on competitive examinations and soft

skills. It also advises the students on what to read , how to prepare for examinations and clarify their doubts on different issues. Continuous coaching and guidance has helped some students to get jobs in armed forces, PSC and UPSC examinations. A survey conducted among the sports quota students showed that their general knowledge level was not up to the mark. The timely intervention of the cell helped a lot of sports persons to get jobs in KSEB and such public limited companies.

As some companies conduct phone in interviews, the cell conducted coaching cases on phone in interviews. The thrust area of the classes was telephone etiquette. The services rendered by the cell have helped many students to improve their skills and to get the much needed placement.

The cell also concentrated in sending students to coaching classes for SET and NET arranged by other colleges, government agencies and others. A few SC, ST students were sent to attend coaching classes meant exclusively for them. That helped a few of them to get government jobs.

The most important campus interview and selection was by the federal bank. It conducted a test among the third year physics, mathematics and commerce and economics students for selecting clerks and twenty nine students were short listed for interview. In the final interview conducted in their headquarters at ALwaye on 25-08-2008, nine students were selected for appointment (List of the short list and final selection list are appended)

## **Development programmes for non teaching staff**

The NSS management took active interest in organizing two career development programmes for non teaching staff. They conducted two workshops for the administrative staff.

1. A one day orientation programme for the administrative staff of NSS colleges was organized at N S S College, Pandalam during the month of march . All the office staff of our college participated in the programme.

2. A similar workshop was organized at NSS college, Karamana in November (3<sup>rd</sup> Saturday) for the whole support staff of the colleges under NSS Management. All the office and laboratory staff participated in the programme.
3. The college has a permanent system for the training of office staff on the use of computers and new software. The computer lab facilities are made available to the clerical staff for familiarizing with the use of computer and internet. The computer training is offered free of cost.

## **Healthy Practices**

1. The transparency maintained in the admission process to various courses has been marvelously executed with the assistance of admission committee. After publication of merit list the admission process is initiated in the departments by a departmental committee. During interview, the faculty members involved clarify the doubts of parents & students, thus creating fear free atmosphere.
2. Students are motivated through various programmes and the stress is to learn with pleasure and not under pressure. The curricular, co-curricular and extra curricular activities are given equal importance in the academic calendar and it aims at the overall development of the student.
3. Community awareness programmes pursued year after year with more dedicated students under the banner SANTHWANAM.
4. Computer training; communicative English and personality development programs continued with more enthusiastic students.95%of the staff & 80% of the students were computer literate .Next year planning 100% computer literacy.
5. Students were given legal awareness class by eminent advocates to make them aware of their rights, duties.
6. Health clubs with fitness centre rendered valuable service students and staff free of cost continued this year also.

7. 6.PTS meeting, extension training, faculty exchange etc are some of the healthy practices being strengthened since last few years.
8. The campus succeeded in continuing as smoke free campus.
9. A traffic awareness programme –class & officers skit-was conducted with the help of Traffic Police.
10. A science popularization programme supported by KSCSTE organized various awareness campaigns in the community.

<b>Date</b>	<b>Activity</b>	<b>Topic</b>	<b>Person concerned</b>
6-10-08 -9-10-08	Exhibition on mental health	Psychex	Psychology students & staff
27-12-08	Community awareness – donating needy items to the people of adopted village	Santwanam	Students & staff of M.G College (Dr.Manikantan Nair co-ordinates)
9-1-09	Legal awareness	Understanding the validity of register marriage	Advocate Mr. Hariprasad Advocate Mrs Maya
15-1-09	Traffic awareness programme	Safety tips for happy life	Police officials

### **Linkages International, National**

Linkages exist mainly in the field of research. The research in all science departments occur through collaboration with premier research institutes in the city. There is also linkage with premier institutes in India and abroad.

#### **International**

<b>Department</b>	<b>Name of faculty</b>	<b>Institution / academy</b>	<b>Nature of linkage</b>
Chemistry	Dr. M D Ajithabai	Sultans Quaboos University, Oman	Utilization of instrumental facilities

## National

Department	Name of faculty	Institution / academy	Nature of linkage
Chemistry	Dr.M.D.Ajith Bai	KSCSTE Govt. of Kerala  NIIST TVM, TBGRI TVM, RGCN TVM, SCT MST TVM , IIT Madras, IISC Bangalore	Project  Utilisation of instrumental facilities
Chemistry	Dr M R Sudarsana Kumar	CUSAT, Ernakulam SAIF,IIT , Madras SAIF, IIT, Mumbai IIT, Roorkee University of Pondicherry NIIST< Trivandrum	Instrumental facilities
Physics	Dr K Rajendra Babu	V S S C, Trivandrum IISc, Bangalore IIT, Madras SAIF,CUSAT	Instrumental facilities, Library, Consultancy

## Involvement of faculty in extra-curricular programmes

Some of our faculty members are well known to the public through their activities in the media both audio and visual . They are involved in script writing, daily TV shows, and interviews with many dignitaries and also science popularization programmes.

**(Appendix 19)**

## Part C

### Perspective plan for the next year

- 1) The infrastructure inadequacies have been limiting the potential utilization of IT in the teaching learning process. Internet facility need be augmented and extended to all classrooms.
- 2) Language teaching should be enriched with the support of a language lab.
- 3) Library should be strengthened for a more up to date curricular transaction. More online journals are to be subscribed and CD library should be strengthened.
- 4) Examination practices require modification. In addition to the conventional system, IT supported examination techniques should be introduced. An online question bank should be set up and students should be given the opportunity to take online examinations.
- 5) A multimedia lab can support teaching in many disciplines especially in life sciences. It can increase the effectiveness of biology demonstrations, facilitate electronic demonstration of chemical reactions and also assist the screening of educational films.
- 6) The standards of research are rising and it is high time that our research infrastructure expanded to meet international challenges. There should be more sophisticated instruments for scientific research and more reference facility in languages and humanities. Programmes for incorporating the research culture in the curriculum should be initiated by formulating integrated programs.
- 7) Extension activities require greater attention. Blood donation, anti-AIDS campaign etc should be reinforced.
- 8) Parental and student counseling should receive more attention.
- 9) In addition to the help given to SC and ST students the institution should initiate steps to assist economically backward students belonging to forward communities. Programmes should be started for supporting the uninterrupted education of these students as well.

# **Appendix 1**

## **Clubs and Committees**

### **Academic Committee**

This is the body responsible for planning and monitoring of the academic programmes in the college. The committee develops the academic calendar for the year. The periodic review meetings study the compliance of the schedule planned initially. The academic calendar fixes the time frame for the entire academic, co-curricular and extra-curricular activities and the examinations.

### **Examination committee**

Internal examinations are now an important part of the academic process. The adoption of the semester system for PG course has increased the frequency of the examinations. The internal examinations for PG and UG courses are now held under the supervision of the Examination Committee.

### **Purchase Committee**

The purchase committee monitors all the purchases made by the institution. The institution is keen on maintaining credibility and transparency in all transactions, and it respects social audit more than anything. As a part of upholding the idea, a committee is formed to supervise all the purchases made in the campus. Necessary guidelines are also framed for the committee to exercise its powers judiciously.

### **Discipline Committee**

Discipline is the bedrock on which an academic institution functions. Discipline committee is formed with the task of ensuring a peaceful campus congenial for efficient academic business. Any act of commission or omission on the part of the students who threaten the peaceful campus atmosphere will be properly investigated and appropriate disciplinary actions also be recommended to the college council for final approval. The discipline can only be maintained with the active support of the elected representatives of the College Union. Therefore the committee also has five student representatives in it. The committee consists of senior faculty members, NCC Officers; NSS program

Officers, Staff advisors to the College Union, elected members of the College Council and five elected student representatives of the College Union.

### **Research Committee**

Research has developed as an important component of the academic activities of the college. The institution has seven research departments, with about 30 research guides and more than 100 research students. The committee attempts to enhance research output of the college. It makes the members of the faculty informed of the schemes of the UGC and other funding agencies. The committee also makes sure that the proposals are submitted in time and proper follow up actions are made. It also makes invaluable suggestions for the improvement of the research centers of the college.

### **Library Committee**

M G College has a central library and thirteen department libraries. The library committee functions to promote effective and interactive access and use of information resources for all users. It prepares clearly-worded rules and guidelines with regard to hours of access, circulation policies and other regulations to offer better services to the users. This committee is vested with the responsibility of recommending, selecting and purchasing books for the library. The committee also puts forward its recommendations regarding the improvement of infrastructure and the means to make it more user-friendly.

### **Student Affairs Committee**

The Committee looks after the student affairs in the college. Committee consists of the Staff Advisor to the College Union, Convener of the Discipline Committee, President, of the Arts Club, Treasurer, Chairman, General Secretary and Vice Chairperson of the college Union.

### **Grievances Redressal Cell**

The committee is vested with the authority to settle any type of grievances raised by the students, teachers and non-teaching staff of the college. The students are expected to lodge their grievances with their respective tutors who will in turn intimate the matter to the committee for necessary action. Students are not encouraged to



petition to the principal, at first. They have to avail themselves avenue provided by the grievance redressal cell and then to the principal, if the grievances are not redressed.

### **Anti Ragging Cell**

The cell functions to prevent any physical or mental torture or any disorderly conduct towards any student of this institution causing apprehension, dread, humiliation or agitation in him or her. The college is particularly firm on taking action against the offenders, as per the provisions contained in the Anti Ragging Act of Kerala.

### **Cell to Combat Sexual Harassment**

The cell functions as per the guidelines issued by the University of Kerala. The objective of the cell is to protect the lady students from atrocities and helping them in hours of need. Any type of sexual harassment physical, verbal or mental shall come under the purview of the cell, and it is empowered to initiate legal actions against such offences.

### **Ethics Committee**

Ethics is the science of morals. The right kind of education is value-based or ethics-based. Ethics committee is constituted to instill basic human values in the students and thus make them kind and compassionate to the community around.

## **SERVICE CELLS**

### **Career Guidance & Counseling Cell**

Realizing the needs of the fast changing world, and the opportunities thus created for our students, the college has set up a Career Guidance and Counseling Cell. The cell primarily aims at train and guides the students in their search for a better career.

### **Placement Cell**

The cell aims at obtaining the best possible placements to the final year students and making them aware of the higher education options available to them in various subjects.

The Cell has identified certain areas which have a lot to do with the campus selections, and training is imparted according to the formulated programmes. The expertise available in the institution is tapped optimally for this purpose.

### **Human Resources Development Cell**

The activities of this cell in the college supplement the curriculum programme for molding the students into responsible citizens. The cell organizes inter- disciplinary classes during free hours. The programme of the cell is intended to develop leadership qualities in students.

### **Women Study Cell**

The cell functions with the objective of empowering the girl students with confidence to face the challenges of life. The unit organizes programmes for enabling the lady students to become the responsible women of tomorrow. It helps them to shoulder responsibility with greater confidence, commitment, efficiency and effectiveness.

### **Counselling Centre**

Students Counseling Centre helps the students to deal with both personal and academic problems and enables them to identify their strengths and weaknesses, to chalk out a suitable educational / career path. It also organizes seminars and workshops on career planning and personality development. The expertise of the Department of Psychology, in this area, is utilized in the effective functioning of the centre.

## **WELFARE ASSOCIATIONS**

### **PARENT TEACHER ASSOCIATION (PTA)**

The Parent Teacher Association is a statutorily constituted elected body which aims at overall development of the college. Parental co-operation in creating a healthy campus atmosphere is of utmost importance. The PTA aspires for co-operation and participation of parents in full measure, in the wholesome activities of the college. An

executive committee, with the Principal as chairman, a teacher elect as the secretary and seven others, meets frequently to carry out the regular affairs of the body. A general body, consisting of all the parents and teachers, meets occasionally and it gives paramount importance in ensuring a healthy and congenial academic atmosphere in the college. The PTA has been focusing on the growth and development of the college

since its inception. The body collects only a moderate amount as donation from the parents and which is utilized in the college for the welfare of students. It provides salary for the guest lectures, security staff, computer lab assistant, etc. Drinking water facilities and cleanliness of the college is also looked after by the PTA. By installing a generator, PTA has also ensured uninterrupted power supply in the college. It also supports the poor and backward students.

## **ALUMNI ASSOCIATION**

The forum of the former students, the alumni association aspires to establish and maintain a warm relationship among the former students, helps them to renew their old associations with their college, classmates and teachers and support their alma-mater in her hours of need. The college proposes to utilize their skill and competence in its many sided developmental programmes.

## **CO-CURRICULAR ACTIVITIES**

### **Arts Club**

The Arts Club is a part of the College Union, which is meant to cater to the artistic talents of students. The arts club secretary who is elected from among the students and a staff advisor deputed by the college council control the club activities. The arts club selects and trains the teams for different cultural events.

### **National Cadet Corps (NCC)**

NCC, the largest statutory youth organization in India, has been functioning in this country for the last 60 years, with the motto unity and discipline. In the beginning it was supposed to act as a feeder organization to the Indian Defense Forces, but later the focus was shifted and it started concentrating on fostering good citizens for the future.

With a right perspective of the ideals of the organization, the college welcomed the NCC to commence its units in the campus. By now, quite a good number of cadets from our units have won laurels for the institution, through their participation in various competitions and camps, and a few have placed themselves at respectable positions, largely on account of their credentials in the NCC. Currently the Naval and the Army wing NCC are carrying out their activities in the college. Every possible support is provided by the institution for its smooth functioning.

### **NATIONAL SERVICE SCHEME (NSS)**

The objective of National Service scheme is develop the spirit of service, cooperation, patriotism, and discipline among the youth of this country. The scheme provides ample opportunities for the volunteers to participate in camps, social service activities, and also to attend useful classes. The variegated activities of the NSS train the student volunteers in the art of living together. Three units of the NSS are functional in this college.

### **Science Club**

The Science Club is established to create awareness and interest among the students. The activities of the club are expected to stimulate the pursuit of scientific knowledge, encourage the students' potentiality to express scientific ideas.

Students are assigned small projects which will boost their scientific zeal and help them to take up major projects, beneficial to the society later on. The club conducts quiz, debates, seminars and talks on the frontiers of science and technology. The students are motivated to host exhibitions in their disciplines. The club also brings in experts from different fields to enlighten and guide the students on career options in science.

### **Nature Club**

The Nature Club of the college is named 'Devatharu' .It opens the eyes of the students to the wonders of nature through its nature camps, visits to national parks, sanctuaries and orientation camps. The students are made aware of the umpteen ways through which our mother earth has blessed and motivated us to develop an eco friendly attitude to preserve and conserve our invaluable legacy. The club encourages the

students to live in harmony with nature by engaging them in engrossing pursuits such as bird watching, sapling, planting, nurturing, caring and protecting plants. Exhibitions, slide shows, camps and other periodical programmes are organized with the help of the World Wide Fund for Nature India.

### **IT Club**

The IT club in the college functions to exploit avenues opened for the students in the fields of computer and information technology. The college particularly aims at imparting essential knowledge to every student on computer without imposing financial burden on them. The internet facilities are made open mostly during the working hours. A neatly equipped computer lab is the club oversees set up for the purpose the progress of the schemes prepared by the college.

### **Tourism Club**

Tourism in Kerala has become a major source of direct and indirect employment. The Tourism Club aims at building awareness among the students in responsible tourism. The Club is functioning under the aegis of the Department of History. It organizes seminars, discussions, live performances and training sessions to keep its members abreast of the numerous organizations and departments related to tourism. It is also engaged in the task of identifying potential tourist spots and devising strategies to attract tourists to the sites.

### **Quiz Club**

The quiz competitions open the door to various vistas of knowledge. Quizzing is valuable in the modern competitive world. Keeping this fact in mind, the quiz club is formed to regularly engage our students in this knowledge enhancing and thought-provoking process. The club intends to conduct competitions in and outside the campus, on a wide variety of topics. The students trained by the Quiz Club bring laurels to the college by winning several quiz competitions

## **Debating Club**

The club organizes debates on subjects of common interest and encourages students to participate in the discussions. The faculty members also join hands with the students in these programmes and involve in active discussions. The students are made aware of the contemporary socio political and economic issues by the activities of the Debating Club.

## **Film Club**

The club members are students who take an active interest in films. The club has members from all departments. They also make small campus films and screen them. They meet frequently and organize discussion on films. The college has facilities to projecting films. A film screened is discussed in detail by the club members. An important activity of the club is the organization of the film festival.

## **Appendix 2**

### **Computer training programme for staff and students.**

Training on the use of computer is essential for the students as well as staff. Many of the correspondence with the University and Governmental agencies are now operated through the internet. Scholarship schemes also require the use of internet by students as well as the college office. The college has hence launched a scheme to train all the students on the use of computer. The programme is operated through the computer club. The college has a centrally located computer lab and is available to users on all working days. The lab has 20 computers, printers, scanners and internet facilities. The computers are networked so that multiple accesses to internet and data sharing is easy. The lab meets the operational expenses from the membership fee collected from members,

## Appendix 3.1

### Format for academic planning and review

#### DEPARTMENT PLAN

##### Name of Department

No	Classes	Portions for I term	Portions for Second Term	Portions for III term
1	I DC Main			
2	IIDC Main			
3	IIIDC Main			
4	I SUB			
5	II SUB			
6	IPG			
7	IIPG			



## Appendix 3.2

### Format for teaching plan

Name of Department

Name of Teacher

No	Classes allotted	Topics for I term	Topics for Second Term	Topics for III term
1	I DC Main			
2	IIDC Main			
3	IIIDC Main			
4	I SUB			
5	II SUB			
6	IPG			
7	IIPG			
8	I DC English/ Second Language			
9	II DC English/ Second Language			

## Appendix 4

### List of students qualified for net/set etc

No	Department	Students qualifying for SET	Students qualifying for NET
1	Mathematics	Priya K S	
2	Physics		Arya P Sreeroop R Jayasudha L
3	Chemistry		Siji V L(PhD student) Preethi P C Divya
4	Botany	Priya.S.R, Rejitha S.S	Vinod V
5	Zoology	Minimol B S Vinod	Anilkumar Vijayasree
10	Psychology	Miss Soumy	Miss Archana Chandran
11	Sociology		Kannan

## Appendix 5

### Teachers deputed for PhD

Name	Department	Research Centre	Area of Research
Smt. S Sreelatha	Zoology	M G College	
Sreeprabha K S	Mathematics	Dept of Mathematics University of Kerala	
Kishore H	Economics	Centre for Development Studies, Trivandrum	
Smt. Mini M Nair	Economics	Centre for Development Studies, Trivandrum	
Harikrishnan M R	Mathematics	Dept of Mathematics University of Kerala	
S Jalajamony	Chemistry	Dept of Chemistry University of Kerala	Coordination Chemistry

## Appendix 6

### Agencies associating with the institution for conducting seminars

No	Agency	Associating Department	Programme
1	Academy of Chemistry Teachers(ACT)	Chemistry	Seminar
2	Academy of Physics Teachers(ACT)	Physics	1) Seminar 2) Aptitude test for Secondary School students
3	NIST( National Institute of Science and Technology)	Chemistry	1)Seminars,(2)Instrumental support for research (3)Laboratory visits
4	Department of Mathematics, University of Kerala	Mathematics	Seminars in Mathematics
5	Department of Aquatic Biology, university of Kerala.	Zoology	Seminars and support for research
6	TIME	All departments	Seminars & Placement services
7	Legal Service Society	College	Legal awareness programmes
8	Aids control Society	College	Seminars and Aids awareness programmes
9	Seshans Academy	Career guidance and Placement cell	Preparation for competitive examinations
10	Global ventures	Science departments	Hardware courses

## Appendix 7.1

### Ongoing and completed major projects

No	Principal investigator Department	Title of project	Funding agency	Amount	Duration	Status
1	Dr.G. Jayakumar (Chemistry)	Bio and Radiation induced transformations in Triterpenes	KSCSTE	6,00,000	3 years	Completed
2	Dr.P. Madhusoodanan Pillai (Zoology)	Studies on marine ornamental fishes of Lakshadweep	UGC	5,98,000	3	Completed
3	Dr.P. R Geetaha (Zoology)	Use of certain indigenous plants for pest control	KSCSTE	4,84,000	3	Completed
4	Dr.K. Rajendrababu	Growth and characterization of non-linear crystals for device applications	KSCSTE	4,45,000	3	Completed
5	Dr.G. Jayakumar (Chemistry)	Phytochemical studies on some ethnobotanical practices in Kerala	KSCSTE	14,00,000	3	Completed
6	FIST (Chemistry)	Development of research infrastructure	DST	22,00,000	3	Ongoing
7	Dr. N. Ajithkumar	A critical study of cultural heritage of Trivandrum District	UGC	4,95,560	3	Completed

8	Dr.P. Sreedevi	Studies on Polination biology of secondary metabolites and their antibacterial activity	KSCSTE	1,93,000	3	Completed
9	Dr.M. Jayasree (Botany)	Antihepatotoxic Antioxidant and related Pharmacognostic Studies of <i>Oxalis corniculata</i>	UGC	8,25,000	3	Ongoing
10	Dr. S. Balachandran	The process development for Ameliorating alarming environmental and health hazards posed by phthalates in plastics: via Chemical, Biochemical and Bio remediation approach	MOEF	2,35,000	3	Ongoing

## Appendix 7.2

### Ongoing and completed minor projects

No	Principal investigator Department	Title of project	Funding agency	Amount	Duration	Status
1	Dr.K. Manikandan nair (Hindi)	Keral ke Hindi prachar meim vividth Hindi samsthavom ka yogadhan	UGC	40,000	2 years	Completed
2	Dr.Asha .S. Nair (Hindi)	Indian social political and cultural influences in the poems of Bachan&Chengampu zha= A comparative study	UGC	25000	2 years	Ongoing
3	Dr. S. R. Jayasree (Hindi)	Eco-Aesthetic study in contemperory Hindi & Malayalam poetry	UGC	40,000	2 years	Ongoing
4	Dr.S. Maheswari (Hindi)	Social& individual conflicts in the short stories of Mohan Rakesh- in the modern context	UGC	40,000	2 years	Completed
5	Dr. T.Sreedevi (Hindi)	Women psychology n contemperory short stories and socio psycho effects.	UGC	40,000	2 years	Completed
6	Dr.K. S. Beena (Hindi)	Prabhu Dayal Misra ke Umanyas meim chithri nari jeevan ki chunauthiam our unke javab	UGC	40,000	2 years	Completed
7	Dr.K. Karunakaran (Mathematics)	Edge measurable graphs	UGC	40,000	2 years	Ongoing

8	Dr.P. Krishnakumar (Economics)	Socio- Economic mapping of slums; a study of selected slums in Trivandrum city	UGC	30,000	2 years	Ongoing
9	P. Sreekumaran Nair ( Economics)	Migration of traditional industries from Kerala	UGC	35,000	2 years	Ongoing
10	G. Sudheesh (Commerce)	Analysis of people plan in Kerala with particular reference to Kudappanakunnu panchayath	UGC	70,000	2 years	Ongoing
11	Dr.M. D Ajithabai (Chemistry)	Effect of Microwave heating in organic and inorganic reactions	UGC	35,000	2 years	Completed
12	Dr. G. Jayakumar (Chemistry)	Phytochemical studies on folk medicines used in the treatment of diabetes	UGC	50,000	2 years	Completed
13	Dr. C. G. Radhakrishnan Namboori (Chemistry)	Phytochemical studies on biologically active principles from different species of Loranthus	UGC	60,000	2 years	Completed
14	Dr. P. Vijayakumar (Chemistry)	Phytochemical studies on Samadra indica	UGC	40,000	2 years	Completed
15	Dr. M. R. Sudarsana Kumar (Chemistry)	Thermal decomposition studies on metal complexes of Thiourea	UGC	50,000	2 years	Ongoing
16	Dr .C. J. Mohan Kumar (Chemistry)	Isolation of bioactive compounds from Hedychium flavescence	UGC	35,000	2 years	Completed
17	Dr. K. Sankar (Chemistry)	Polymer bound Schiff base ligand	UGC	35,000	2 years	Completed



18	Dr. Geetha. P. R (Zoology)	Studies on the effect of Endosulphan on the blood, brain and reproductive system of <i>Anabus testudineus</i>	UGC	47,000	2 years	Completed
19	Dr. P. Sreedevi (Botany)	Reproductive biology of medicinal plants)	KSCSTE	250,000	2 years	Completed
20	Dr. L. Geetha (Botany)	Invitro culture of some medicinal plants	UGC	35,000	2 years	Completed
21	Dr. Parvathy Menon (Botany)	Conservation and documentation of plants of medicinal importance	UGC	50,000	2 years	Ongoing
22	Dr. .K Rajendra babu (Physics)	Preparation and characterization og nano particles	UGC	70,000	2 years	Completed
23	Dr. K. Madhukumar (Physics)	A study of Thermoluminescence dosimetry in rare earth doped phosphorous	UGC	35,000	2 years	Completed
24	Dr. S. B. Syamala (Physics)	Variation of room temperature photoconductivity of $CuInS_2$ thin films with different (Cu)/In and (S)/(Cu) ratio	UGC	20,000	2 years	Ongoing
25	Dr. R. B. Rajalekshmi	Empowerment of women and children through theatre – A minor project	UGC	100000	2 years	Completed
26	Dr.M Jayasree (Botany)	Biopestisidal activity of <i>Nyctanthes</i>	KSCSTE	70000	2 years	Ongoing

## Appendix 8

### Research collaborations

No	Programme	Department	Collaborating Departments	External Research Institutions
1	Isolation and biological evaluation of natural products	Chemistry	Botany & Zoology	1) NIIST Trivandrum 2) Rajiv Gandhi institute of Biotechnology, Trivandrum 3) IIT Madras
2	Synthesis, Characterization and spectral and biological studies of metal complexes	Chemistry	Physics, zoology	1) CUSAT( Cochin) 2) IIT, Madras 3) IISC Bangalore
3	Crystal growth	Physics	Chemistry	1) VSSC, Trivandrum 2) IIT , Madras 3) IISc, Bangalore
4	Phytochemical and Pharmacological experiments	Botany	Chemistry	1) TBGRI,PALODE 2) Rajiv Gandhi institute of Biotechnology, Trivandrum

## Appendix 9

### Research funds received by M G College during 2008-09

No	Department	Programme	Agency	Amount (Substitute salary + Contingency)
1	Mathematics	FIP	UGC	13,000
2	Physics	FIP	UGC	13,000
3	Chemistry	FIP	UGC	13,000
4		Instruments	FIST	2,20,000
5	Botany	Projects	UGC	8,25,000
6		Projects (Student)	KSCSTE	22,500
7	Zoology	FIP	UGC	13,000
8	Hindi	Projects	UGC	86,000
9	Sociology	Projects	UGC	50,000
10	History	Projects	UGC	45,000
	Total			1300500

## Appendix 10

### Research scholars of the College

No	Department	Name of Guide	Research scholars	Specific area if any
1	Physics	Dr. K. Rajendra babu	1) Bijini .B.R 2) Santhosh V.S 3) Lekshmi .S. Nair 4) Arya. B 5) S. Sajeev Mohan	Crystal growth, Thin films, Nano particles
2	Physics	Dr. K. Madhukumar	1) Jayasudha S 2) Resmi G Nair 3) Lakshmi P Nair 4) Rajani R Nair 5) Rani K Pillai	Radiation Dossimetry, Thermolumniscent studies Radiation studies
3	Physics	Dr. Ajith Prasad	Sarath Chandran	Nonlinear Dynamics
4	Chemistry	Dr. M. D. Ajithabai	1) Remesh Kumar.S 2) Sreedevi.S 3) Deepa.P.Nair 4) Sunitharani.S.P	Phytochemistry, Antioxidants, Chemistry of Ayurvedic preparations
5	Chemistry	Dr .C. G. Radhakrishnan Namboori	1) Somanadha Menon 2) Santhi	Coordination Chemistry
6	Chemistry	Dr. M. R. Sudarsana Kumar		
7	Chemistry	Dr.S. Balachandran	S. Mohan das	Phytochemistry
9	Botany	Dr. K. G. Ajithkumar	1) Suja Simon 2) C. M. Prakash	Ecology Physiology
10	Botany	Dr .Prsanna Kumar	Roy M G	Phytochemistry

11	Zoology	Dr. P. R. Geetha	1) K B Sreelatha 2) C.Sreelatha	Physiology
12	Zoology	Dr. P. Madhusoodanan Pillai	1) V.Unnikrishnan 2) Rejitha	Aquatic biology
13	Zoology	Dr.M.S. Rajendran Nair	Deepasree	Microbiology
14	Malayalam	Dr. Ajithkumar	1) Sheeja	
15	Hindi	Dr. K. Manikandan	1) Asha 2) Sreeja 3) Lekha	Pathrakaritha, Kahani
16	Hindi	Dr. S. R. Jayasree	Smitha	Novel
17	Hindi	Dr. Asha .S. Nair	1) Aisha 2) V. N. Rama 3) Sukanya	Novel Novel Poetry
19	Commerce	Dr.V. Harikumar	1) Varkey John 2) Rajeev 3) Radhakrishna Kurup 4) Rekha devi 5) Athira	House hold sector savings, Banking,  Industry Banking Tourism
20	Commerce	Dr. B. Manmadhan	1) Kamath 2) Murali 3) Anil	Management
21	Economics	Dr. P. Krishna Kumar		

## Appendix 11

### Recognised research guides

Sl.No	Name	Specialization	No. of Scholars
	<b><u>Malayalam</u></b>		
1.	Dr. N. Ajithkumar	Literature, Theater	06
2.	Dr. K. Jyothishkumar	Media, Literature	02
3	Dr. P Vijayalekshmi Amma	Short story, novel, grammer	
	<b><u>Hindi</u></b>		
1.	Dr. K. Manikantan Nair	Drama	02
2.	Dr. S.R. Jayasree	Poetry	02
3.	Dr. T. Sreedevi	Poetry (Dalit and Environment)	01
	<b><u>Economics</u></b>		
.	Dr. P. Krishnakumar	Welfare Economics	02
	<b><u>Physics</u></b>		
1.			04
2.	Dr. K. Madhukumar	Radiation Physics	05
3.	Dr. K. Rajendra Babu	Material Science	01
	Dr. K. C. Ajith Prasad	Non Linear Physics	
1.			
2.	<b><u>Chemistry</u></b>		
3.	Dr. G. Jayakumar	Phytochemistry	04
4.	Dr. M.D. Ajitha Bai	Phytochemistry	05
5.	Dr. C.G.Radhakrishnan Namboori	Coordination Chemistry	05
	Dr. M.R. Sudarsana Kumar	Coordination Chemistry	05
1.	Dr. S. Balachandran	Phytochemistry	02
2.			
	<b><u>Botany</u></b>		
1.	Dr. M. Jayasree	Palynology, Biochemistry	03
2.	Dr. K.G. Ajith Kumar	Plant Physiology	
3.	<b><u>Zoology</u></b>		
	Dr. P.R. Geetha	Insect Physiology	03
1.	Dr. P. Madhusoodanan Pillai	Environmental , Aquatic Biology	03
2.	Dr. M.S. Rajendran Nair	Cytology, Ichthyology, Environmental Science	01
	<b><u>Commerce</u></b>		
	Dr. V. Harikumar	Industrial Economics , Banking	05
	Dr. B. Manmadhan	Management	04

## Appendix 12

### Recognized research guides (external)

Sl. No.	Name	Specialization	Names of Scholars
	<b>Malayalam</b>		
1	Dr. B. Sudheendran Pillai, Principal, VTMNSS College		Sumesh S
2	Dr. K.S. Ravi Kumar		
3	Dr. S.V. Venugopan Nair, Former Principal, NSS Colleges		
4	Dr. Sethunath, Former HOD, M.G College		Beena Karunakaran
5	Dr. Ramachandran Nair, Former Reader, M.G. College		Dominic Kattoor
6	Dr. R.B. Rajalakshmi, Former HOD, MG College		1)Jayakumari 2)Praveen S S 3)Viswasree L
	<b>Physics</b>		
7	Dr. M.N. Sreedharan Nair, Former Principal, NSS Colleges		
8	Dr. N. Vasudevan Nair, Former Reader, MG College	Mossbauer studies	N Sreekumar
9	Dr. C. Mohanakumaran Nair, Former HOD, MG College	Crystal studies	1)Prasanna S 2)D Lilly bai 3)Dhanya Chandran
10	Dr.V, Narasimha Iyer, Former HOD, MG College		
11	Dr. M.H. Rahim Kutty, MSM College, Kayamkulam		
12	Dr. M. Deepa , All Saints College, Trivandrum		
	<b>Chemistry</b>		
13	Dr. R. Krishnan, Former Reader, MG College	Metal complexes	
14	Dr. R. Sudha Devi, MMNSS College, Kottiyam	Physical Organic	

15	Dr G.Jayakumar, Principal, N S S College, Kottiyam	Phyto chemistry	1)B Karikumar 2)P K Viswanathan 3)S Mohan Das
	<b>Botany</b>		
16	Dr. G. Vilasini, Former HOD, MG College		
17	Dr. P. Sreedevi, Former HOD, MG College	Palynology	1)Sanil Kumar S S 2)Veena C S
18	Dr. R. Prakash Kumar, Principal Scientific Officer, KSCSTE	Palynology	Sushama Raj
19	Dr. Suma Maheswari, NSS College for Women, Karamana	Phytochemistry	Thressiamma Mathew
20	Dr. S. Pradeepkumar, Controller of Exams., Kannur Uty.		
21	Dr N V Sudhakaran	Population genetics	Jyothilekshny P
	<b>Zoology</b>		
22	Dr. K.G. Narayana Pillai, Former Principal, NSS Colleges		
23	Dr. K.K. Sreedevi Amma, Former HOD, MG College		
24	Dr. V. R. Vijayalekshmi, Former Reader, NSS College, Pandalam		
25	Dr. N. P. Suresh Babu, VTM NSS College, Dhanuvachapuram	Environmental biolgy	
	<b>Commerce</b>		
26	.Dr. B.Vijayachandran Pillai, Associate Professor, Calicut Uty.	Insurance	Anitha
27	Dr. S. Mohanan, Former Reader, MG College		
28	Dr. K. Manoharan Nair, VTM NSS College, Dhanuvachapuram		
29	Dr. K. Manoharan Nair, VTM NSS College, Dhanuvachapuram		
30	Dr. S. Hareendranath, Former HOD, MG College	Commerce	Sreedevi
31	Dr Sukumaran Nair	Commerce	Vineeth



## Appendix 13.1

### Publications of the faculty during 2009-10

#### ZOOLOGY

No	Title of Paper	Author/s	Name of Journal, Vol, page nos.	Year of Publication
1	Genotoxicity evaluation of acute doses of Endosulfan to fresh water <i>Anabas testudineus</i> by Cytokinesis Block Micronuclei technique	V.S.Bindu and P.R.Geetha	The Asian Journal of Animal Science	2009
2	Effect of Organochlorine pesticide Endosulfan on blood and plasma of <i>Anabas testudineus</i>	V.S.Bindhu et al	Asian J Evt Sci	2009
3	Acute toxicity, Behavioural changes and haemopoetic alterations induced by Endosulfan in the Freshwater Fish <i>Anabas testudineus</i>	V.S. Bindu and P.R.Geetha	Pollution Research	2009
4	Disruption of oocyte development of <i>Oryctes rhinoceros</i> treated with methanolic extract of <i>Eupatorium odoratum</i>	Sreelatha K B et al	J Bio pesticides	2009

#### MATHEMATICS

No	Title of Paper	Author/s	Name of Journal, Vol, page nos.	Year of Publication
5	Enciphering semigroup	Dr.K.Karunakaran	Mathematical and computational model	2008

#### BOTANY

No	Title of Paper	Author/s	Name of Journal, Vol, page nos.	Year of Publication
6	A study of the activities of enzymes in few basin Mangroves of Kollam District, Kerala.	K.G.Ajit Kumar	<i>Ecol.Env. &amp; Cons.</i> 15 ( 1 ): 137- 138.	2009
7	<i>In vivo</i> pollen germination studies of distylous <i>Pentas</i>	M.Jayasree &Ajitha.V.S.	<i>J.Phytol.Res</i> 22	2009

	<i>lanceolata</i> var.white			
8	Flavonoids from Banana, <i>Musa paradisiaca</i> L. on Lipid metabolism in Rats	S.Vijaya Kumar, G. Presanna Kumar and N.R.Vijayalakshmi	Journal of Dietary Supplements, Vol 6,111-123,June	2009
9	Ethno Veterinary study of few plants at Vattappara and Vizhinjam, Thiruvananthapuram district, Kerala	K.G.Ajit Kumar	International Symposium on Environmental pollution, Ecology and Human Health	2009
10	Relative growth Rate, Net Assimilation Rate and Yield of soybean [ <i>Glycine max(L) Merr.</i> ]	K.G.Ajit Kumar	Proceedings of the 21 <sup>st</sup> Kerala science Congress	2009

#### CHEMISTRY

No	Title of Paper	Author/s	Name of Journal,Vol, page nos.	Year of Publication
11	Effect of Certain Anti-diabetic Ayurvedic Drugs Against Microbes Causing Diabetes-Dependent Infections	P. Abhilash, S. Pradeep, R.B. Smitha, V.N. Jisha, S. Balachandran and Sailas Benjamin,	Journal Of Pure And Applied Microbiology, Vol. 3(2), (503-516).	2009
12	Improved performance of a cellulose-based anion exchanger with tertiary amine functionality for the adsorption of Chromium(IV) from aqueous solutions	T.S.Anirudhan, S.Jalajamony and P.S.Suchitra,	<i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> 335 107-113.	2009

13	Efficiency and Amine-modified poly(glycidyl methacrylate)-Grafted cellulose in the removal and recovery of Vanadium(V) from aqueous solutions	T.S.Anirudhan, S.Jalajamony and L.Divya,	<i>Industrial Engineering Chemistry Research</i> , 48 (4), 2118-2124.	2009
14	Larvicidal and growth inhibition of malaria vector Anopheles stephensi by triterpenes from <i>Dysoxylum malabaricum</i> and <i>Dysoxylum bedomei</i>	S Senthil Nathan, A Hisham, G. Jayakumaar	<i>Fitotherapia</i>	2008

#### PSYCHOLOGY

No	Title of Paper	Author/s	Name of Journal, Vol, page nos.	Year of Publication
15	Perceived Parental Affect and Emotional Stability Among Adolescents	Dr V P Vanajakumari	Psychescape, Volume 3, No. 2, Pages 45-52, July.	2009

#### MALAYALAM

No	Title of Paper	Author/s	Name of Journal, Vol, page nos.	Year of Publication
16	Sree Sankaracharyarum Matrudevaradhanavaz hakkavum	?	Vandanam	May 2008
17	Malikappurathamma Lokamathavu		Vandanam	March 2009
18	Atmasakshatkarathinte Kavyabimbangal		Aswathanappathippu Swathi Samskarika Samithi	2009

#### HINDI

	Title of Paper	Author/s	Name of Journal, Vol, page nos.	Year of Publication
	Doosri kamla	Ushakumari K.P		2009

	Kumaranashan aur jaishankar Prasad kavyom ki thulna	Ushakumari K.P	Keral jyothi	2009
	Samakallen hindi kahani mei nari ki vividh manathithiya	Sreedevi.T	Sangrathan	2009
	Psychological study of short stories in Dainendra J	Jayakumari.K.	Sangrathan	2009
	Adunik Hindi Geeti Natayom Mein Mithak Thathv	B.Jayasree	Sangrathan	2009
	Samakaleen Hindi kavitha mei rajanaitik chethana	S.R.Jayasree	Keral jyothi	2009

## Appendix 13.2

### Books published by the faculty

#### 1) Dr. N. Ajith Kumar

No	Name of Books	Publisher	Year
1	Anaavicharam	Centre for Innovation in Science and Social Action (cissa) Thiruvananthapuram	2008
2	Ponkaala	Priyatha books, kozhikkodu	2008
3	Malayaliyude Nadodivazhakkangal	Malayalasamskarapatanakendram, Thiruvananthapuram	2009
4	Hyndavacharasamhitha	Malayalasamskarapatanakendram, Thiruvananthapuram	2009

#### Dr K Jyothish Kumar, Department of Malayalam

Sl.No	Title	Publisher	Month & Year of Publication
4	Herman Gundert (Biography)	University of Kerala	Under printing

#### 3. Dr. R. Rajesh, Department of Malayalam

Sl. No	Name of Book	Year Of Publication
1	Ramakathayude Swaadheenam Keralathile Drisyakalakalil	2009

#### 4. Dr K S Ravikumar, Department of Malayalam

##### Authored

1. *Kadhayude Kadha*, Study, Chinta Publishers, Thiruvananthapuram, 2008 (2nd Ed.)

##### Edited with critical introduction

1. *Kadammanitta kavitha*, Studies, State Institute of Languages, Thiruvananthapuram, 2008
2. *Basheerinte Noottandu*, Studies, Chinta Publishers, Thiruvananthapuram, 2008
3. *Pandalam Keralavarmayude Pradhana Kavithakal*, Poems, Kerala Sahitya Academi, Thrissur, 2009

## APPENDIX 13.3

### Articles by the faculty in printed books

11	Dr N Ajithkumar Malayalam	Ananthapuriyile Chandakal	Naatuchandakal D.C.Books June 2008	2008
12	Dr N Ajithkumar Malayalam	Sreepadmanabhaswamikshetram – Oru Vamozhicharitam	Naattucharitram D.C.Books June 2008	2008
13	Dr N Ajithkumar Malayalam	Neytalvilavu	Vayalkkadu D.C.Books June 2008	2008
14	Dr N Ajithkumar Malayalam	Bhadrakaalippaattile Jeevithasamskaram	Naattarivupaattukal D.C.Books July 2008	2008
15	Dr N Ajithkumar Malayalam	Chitrakalayile Malayalavazhakkam	Nadodivarnalokam D.C.Books July 2008	2008
16	Dr N Ajithkumar Malayalam	Bhashayude Naattuvazhakkom	K.M.Prabhakara Warrier Bhashagaveshanam Jeevitham State Institute of Language 2009	2009

## Appendix14

### Details of SARD support to the Department of Chemistry

Schemes	Amount	Equipments acquired	Expenditure	Outcome
Non-recurring	950000	1) UV-Visible spectrophotometer	350000	Two projects
		2) Rotary Evaporator	250000	Five PhD programmes
		3) Guoy Balance	275000	5 MSc projects
		4) Electronic balance	75000	
Recurring(2005-06)	150000	Chemicals, glass ware	150000	
Recurring (2006-07)	150000	Chemicals, glass ware	150000	
Recurring (2007-08)	150000	Chemicals, glass ware	150000	

## Appendix 15

### List of Journals subscribed

- |    |  |    |   |
|----|--|----|---|
| 1  | Indian Journal of Chemistry B                      | 25 | Journal of Plant Biochemistry and Biotechnology       |
| 2  | Current Science                                    | 26 | Journal of Bioscience Animal Research and Development |
| 3  | Yojana   | 27 | Bhashaposhini   |
| 4  | Mathematical intelligence                          | 28 | Vijnanakairali  |
| 5  | Mathematical Education                             | 29 | Sahithya lokam  |
| 6  | Applied Science Periodical                         | 30 | Sahithyachakravalam                                   |
| 7  | Mathematics News Letter                            | 31 | Literary Review                                       |
| 8  | Indian Journal of Applied Physics                  | 32 | Samgrathan  |
| 9  | Indian Journal of Engineering and Material Science | 33 | Keral Jyothi  |
| 10 | Journal of Scientific and Industrial Research      | 34 | Anuvrath  |
| 11 | Bulletin of material Science                       | 35 | Economic and Political weekly                         |
| 12 | Resonance  | 36 | Southern economist                                    |
| 13 | Indian Journal of Chemistry Section B              | 37 | Kurukshetra   |
| 14 | Medicinal and Aromatic plant Abstracts             | 38 | Literary Survey                                       |
| 15 | Journal of the Academy of Chemiatry Teachers       | 39 | Harithan  |
| 16 | Phytomorphology                                    | 40 | Indian journal of English Studies                     |
| 17 | Indian Journal of Experimental Biology             | 41 | Southern economist                                    |
| 18 | Journal of Plant Biochemistry and Biotechnology    | 42 | Kurukshetra   |
| 19 | Journal of Bioscience                              | 43 | Journal of Indian Writing in English                  |
| 20 | Animal Research and Development                    | 44 | Business India  |
| 21 | Entamon  | 45 | Business World  |
| 22 | Down to Earth                                      | 46 | Vision  |
| 23 | Journal of animal Morphology and Physiology        | 47 | Sociological Bulletin                                 |
| 24 | CMFRI Bulletin                                     | 48 | Kerala sociologist                                    |
|    |  | 49 | Journal of Indian History                             |



# Appendix 16

## MAHATMA GANDHI COLLEGE

THIRUVANTHAPURAM-695004

### Student Feedback

Department ----- Class ----- Academic Year -----

*Asses the TEACHER in your Department for each statement*  
(Excellent: Good: Average: Below average: Poor)

*Put X in appropriate column*

1. Punctuality and Regularity

Excellent	Good	Average	Below average	Poor

2. Coverage of topics

Excellent	Good	Average	Below average	Poor

3. Clarity in teaching

Excellent	Good	Average	Below average	Poor

4. Communication skill

Excellent	Good	Average	Below average	Poor

5. Help in academic activities

Excellent	Good	Average	Below average	Poor

6. Help in extracurricular activities

Excellent	Good	Average	Below average	Poor

**7. Encouraging student participation in class**

<b>Excellent</b>	<b>Good</b>	<b>Average</b>	<b>Below average</b>	<b>Poor</b>

**8. Teacher-student relationship**

<b>Excellent</b>	<b>Good</b>	<b>Average</b>	<b>Below average</b>	<b>Poor</b>

**9. Discipline Enforcement**

<b>Excellent</b>	<b>Good</b>	<b>Average</b>	<b>Below average</b>	<b>Poor</b>

**10. Help in Career guidance**

<b>Excellent</b>	<b>Good</b>	<b>Average</b>	<b>Below average</b>	<b>Poor</b>

**11. Remedial teaching**

<b>Excellent</b>	<b>Good</b>	<b>Average</b>	<b>Below average</b>	<b>Poor</b>

**12. Understanding students**

<b>Excellent</b>	<b>Good</b>	<b>Average</b>	<b>Below average</b>	<b>Poor</b>

# MAHATMA GANDHI COLLEGE

THIRUVANTHAPURAM-695004

## Parent Feedback

Department ----- Class ----- Academic Year -----

*Asses the Department for each statement*

(Excellent: Good: Average: Below average: Poor)

*Put the number of teachers in each category*

A.

1. Punctuality and Regularity

Excellent	Good	Average	Below average	Poor

2. Coverage of topics

Excellent	Good	Average	Below average	Poor

3. Help in academic activities

Excellent	Good	Average	Below average	Poor

4. Help in extracurricular activities

Excellent	Good	Average	Below average	Poor

5. Teacher-student relationship

Excellent	Good	Average	Below average	Poor

6. Discipline Enforcement

Excellent	Good	Average	Below average	Poor

7. Remedial teaching

Excellent	Good	Average	Below average	Poor

**8. Understanding students**

Excellent	Good	Average	Below average	Poor

**9. Effectiveness of P.T.A meetings**

Excellent	Good	Average	Below average	Poor

**B Asses the college for each statement (put X mark)**

**10. College atmosphere**

Excellent	Good	Average	Below average	Poor

**11. Services of office staff in Fee section**

Excellent	Good	Average	Below average	Poor

**12 . In Scholarship section**

Excellent	Good	Average	Below average	Poor

**13 . T.C, Conduct Certificate section**

Excellent	Good	Average	Below average	Poor

**14. Library services**

Excellent	Good	Average	Below average	Poor

**15. Canteen facilities**

Excellent	Good	Average	Below average	Poor

**14. Toilet facilities**

Excellent	Good	Average	Below average	Poor

**15. Computer lab: services**

Excellent	Good	Average	Below average	Poor

**16. Sports & games facilities**

Excellent	Good	Average	Below average	Poor

**17. Interaction with Principal**

Excellent	Good	Average	Below average	Poor

# **MAHATMA GANDHI COLLEGE**

**THIRUVANTHAPURAM-695004**

## **Student Feedback of tutorial system**

Department ----- Class ----- Academic Year -----

**Evaluate the Tutorial System in your Department for each statement  
(Excellent: Good: Average: Below average: Poor)**

### **1. Tutor –student relationship.**

<b>Excellent</b>	<b>Good</b>	<b>Average</b>	<b>Below average</b>	<b>Poor</b>

### **2. Rapport & support from Tutor**

<b>Excellent</b>	<b>Good</b>	<b>Average</b>	<b>Below average</b>	<b>Poor</b>

### **3. Punctuality in conducting tutorial sessions**

<b>Excellent</b>	<b>Good</b>	<b>Average</b>	<b>Below average</b>	<b>Poor</b>

### **4. Help in academic activities**

<b>Excellent</b>	<b>Good</b>	<b>Average</b>	<b>Below average</b>	<b>Poor</b>

### **5. Remedial teaching**

<b>Excellent</b>	<b>Good</b>	<b>Average</b>	<b>Below average</b>	<b>Poor</b>

### **6. Motivation & guidance**

<b>Excellent</b>	<b>Good</b>	<b>Average</b>	<b>Below average</b>	<b>Poor</b>

### **7. Help in extracurricular activities**

<b>Excellent</b>	<b>Good</b>	<b>Average</b>	<b>Below average</b>	<b>Poor</b>

**MAHATMA GANDHI COLLEGE**  
(Accredited at A level by NAAC)  
Thiruvanthapuram-695004

**Student Feedback- General Administration**

Department ----- Class ----- Academic Year -----

Evaluate the Office/Non-teaching staff of your college by awarding points for each statement

(Excellent -5, Good -4, Average - 3, Below average -2, Poor -1)

1 . How do you rate the efficiency & readiness of Office /Non-teaching staff in:

- |   |   |
|---|---|
| 1) Clearing your doubts.                            | - |
| 2) Scholarship section                              | - |
| 3) Fee section                                      | - |
| 4) T.C, Conduct Certificate section                 | - |
| 5) Lab: attenders                                   | - |
| 6) Library attenders                                | - |
| 7) Action on your comp                              | - |
| 8) Help from computer Lab:                          | - |
| 9) Overall performance of Office/Non-teaching staff | - |
| 10) Scholarship section                             | - |

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## Appendix 17

### Scholarships available to students

<b>No</b>	<b>Scholarship</b>	<b>Agency</b>
1	University merit scholarship	University
2	National Talent search scheme award scholarship	Central Govt.
3	National Council of Education Research and Training	Central Government
4	State scholarship for proficiency in sports	State Govt.
5	National merit scholarship	Central Govt.
6	Mannam Nidhi and Kanakjubilee scholarship	Management
7	N S S Endowment	Management
8	Mislim Nadar girls scholarship	State Govt.
9	Kerala State Govt Scholarship	State Govt.
10	Dr A L Lalitahbai Endowmnt scholarship	College
11	Sports scholarship[p	State Govt.
12	Student aid fund	University
13	Construction workers scholarship	Board
14	Hindi scholarship	Central Govt.
15	SC students special compent plan	State Govt.
16	Blind and physically handicapped scholarship	Central Govt.
17	Kerala state suvarnajubilee scholarship	State Govt.
18	Single girl child scholarship	Central Govt.
19	Cini workers scholarship	Board
20	KSSIMS	State Govt.
21	SC/ST scholarship	State Govt.



22	KPCR	State Govt.
23	Fishermen	Board
24	Central sector Scholarship	Central Government
25	Temple Entry proclamation Scholarship	State Government
26	ACQUIRE Scholarship	University of Kerala

## Appendix 18

### List of Players Selected to various University Teams 2009

Discipline	Name	Class
Wrestling	1. Aravind .R L	II Economics
Volleyball	1. Sanil Kumar 2. Vishnu . J	I Malayalam I Physics
Tennis	1. Rakesh . J B	II Psychology
Softball	1. Sankaran Unni.SS 2. Rakesh .M .K	III Hindi II English
Power lifting	1. Rajeev .P.S	I Hindi
Football	1. Sarath Gopal. S 2. Dhaneesh. M 3. Titus	I Economics I Economics III sociology
Cycling Women	1. Parvathy .V.G	I Psychology
Cricket	1. Shjan Salim 2. Anoop .G. S 3. Deepak Murali 4. Sandeep.R	I Zoology III BCom II BCom II English
Baseball	1. Rakesh .M.K	II English
Athletics	1. Ratheesh .S.R	III Malayalam
Swimming (Women)	1. Saranya. S .Nair 2. Anuja.A	III Sociology III BCom
Swimming ( Men)	1. Arun Krishnan .M 2. Rajesh Kumar.R	III Sociology III Malayalam
Water Polo	1.Vishnu.S 2. Aneesh.S 3.Krishnakumar 4.Rahul.R.C. 5.Anand A.S. 6.Dhaneesh.T	III Malayalam III History I Chemistry II Physics II Physics II Psychology

## Appendix 19

### Involvement of faculty in extra-curricular programmes

#### 1) Dr N Ajith Kumar, Dept of Malayalam

##### Documentary Scripts

SI No	Name of Documentary	Agency & Year
20	Swarnappana	Oil Palm India Ltd. 2008
21	Gas Thedathu (A Documentary On Cholanayckan)	KIRTHADS 2008
22	Pinkara (A Documentary On Koragar)	KIRTHADS 2008
23	Alai (A Documentary On Kurumbar)	KIRTHADS 2008
24	Gidugu Hogathu (A Documentary On Kurumbar)	KIRTHADS 2008
25	Ettathapatti (A Documentary On Kadar)	KIRTHADS 2008
26	RX	Kerala State Pharmacy Council 2008
27	Quick Bird	Kerala Local Administration (KILA) 2008
28	Kudumbasree	Ministry of Panchayathiraj (Govt. of India) 2008
29	Kshobhikkunna Prakruthyum Karuthalode Manushyanum	Ministry of Panchayathiraj (Govt. of India) 2008
30	Jaivananmayude Thiricharivukal	Kerala State Bio-diversity Board 2008
31	Panathinappuram	Food And Civil Supplies Department 2008
32	People's Bazar	Supply Co 2008
33	Not Alone	Ministry of Panchayathiraj (Govt. of India) 2009
34	For the People	Ministry of Panchayathiraj (Govt. of India) 2009

#### Programmes on Visual Media

##### 1. Dr K Jyothish Kumar, Department of Malayalam

1. Written script and presented 40 episodes of SAHITHEESALLAPAM literary magazine programme for Doordarshan
  2. Presented 23 episodes of PUSTHAKAVICHARAM book review programme for Surya T.V
  3. Worked as Anchor for the SUPRABHATHAM programme in the Asianet T.V.channel for a long period.
  4. Written script and given O.O.V Commentary for many T.V. Programme.
  5. Interviewed many dignitaries
- II) M Sreemumar, Dept. of Englis  
Conduct daily programme in Asianet on Astrology
- III) Dr B Sudhendran Pillai, Department of Malayalam

**Important works telecasted in Doordarshan & Soorya TV**

1. Discussion with Dr. R.P.Raja and Sankaran Namboothiri on Swathi Thirunal and his musical works- 2008
2. Interview with Dr.Scaria Sacharia on Jewish Cultural history reflected in the Jewish feminine Songs -2008.
3. Interview with Dr.Lalitha Mathews on Sasi Tharoor, Diplomat and litterateur-2008.
4. Discussion on Contemporary literature with Radhika C.Nair-2008.
5. Written script for many programmes like features in Spoken Word, Yuvvani, Vidyabhyasarangom, Industrial Programme, Womens Programme in AIR
6. Write Script and present programmes for Gyanvani F.M of IGNOU

## **Programmes on Radio**

- II) 1. M Sreemumar, Dept. of English- Conducts daily programme in Asianet on Astrology.
- III) Dr M R Sudarsnakumar, Department of Chemistry Science and general discourses in All India Radio.
- IV) Dr.M.Jayasree,Department of Botan Science popularization talks in AIR