



PAVANATMA COLLEGE

MURICKASSERY

Idukki (District), Kerala, PIN-685604.

www.pavanatmacollege.org

email: mail@pavanatmacollege.org



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**ANNUAL QUALITY ASSURANCE
REPORT 2009-2010**

Submitted to

**National Assessment and
Accreditation Council, Bangalore**

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Part - A

1 Details of the Institution

1.1	Name of the Institution	PAVANATMA COLLEGE
1.2	Address Line 1	MURICKASSERY
	Address Line 2	IDUKKI DIST
	District	IDUKKI
	State	KERALA
	Pin Code	685604
	Institution e-mail address	mail@pavanatmacollege.org
	Contact Nos.	0486 8263235
	Name of the Head of the Institution	Sr. Anice K P
	Tel. No. with STD Code:	0486 8263235
	Mobile:	09947022594
	Name of the IQAC Co-ordinator:	Saji Joseph
	Mobile:	09446801060
	IQAC e-mail address:	pavanatma.iqac@gmail.com
1.3	NAAC Track ID	KLC0GN10035
1.4	NAAC Executive Committee No. & Date:	EC/40/RA/17 dated 17 October 2006
1.5	Website address:	www.pavanatmacollege.org
	Web-link of the AQAR:	http://pavanatmacollege.org/wp-content/uploads/2015/03/KLC0GN10035_AQAR20092010.pdf
1.6	Accreditation Details	

Sl. No.	Cycle	Grade	CGPA	Year of Accreditation	Validity Period

1 DETAILS OF THE INSTITUTION

1	1st Cycle	Three star		2000	5 years
2	2nd Cycle	B+		2006	5 years

1.7 Date of Establishment of IQAC : 01/06/2005

1.8 AQAR for the year 2009-10

1.9 Details of the previous year's AQAR submitted to NAAC after the latest Assessment and Accreditation by NAAC

1.10 Institutional Status

University	State	<input type="checkbox"/>
	Central	<input type="checkbox"/>
	Deemed	<input type="checkbox"/>
	Private	<input type="checkbox"/>

Affiliated College	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
Constituent College	Yes	<input type="checkbox"/>	No	<input type="checkbox"/>
Autonomous college of UGC	Yes	<input type="checkbox"/>	No	<input type="checkbox"/>
Regulatory Agency approved Institution	Yes	<input type="checkbox"/>	No	<input type="checkbox"/>

Type of Institution	Co-education	<input checked="" type="checkbox"/>
	Men	<input type="checkbox"/>
	Women	<input type="checkbox"/>
Financial Status	Grant-in-aid	<input type="checkbox"/>
	UGC 2(f)	<input checked="" type="checkbox"/>
	UGC 12B	<input checked="" type="checkbox"/>
	Grant-in-aid + Self Financing	<input checked="" type="checkbox"/>
	Totally Self-financing	<input type="checkbox"/>

1.11 Type of Faculty/Programme

Arts	<input checked="" type="checkbox"/>
Science	<input checked="" type="checkbox"/>
Commerce	<input checked="" type="checkbox"/>
Law	<input type="checkbox"/>
PEI (Phys Edu)	<input type="checkbox"/>
TEI (Edu)	<input type="checkbox"/>
Engineering	<input type="checkbox"/>
Health Science	<input type="checkbox"/>
Management	<input type="checkbox"/>
Others (Specify)	<input type="checkbox"/>

1.12 Name of the Affiliating University: Mahatma Gandhi University
Kottayam

1.13 Special status conferred by Central/ State Government—
UGC/CSIR/DST/DBT/ICMR etc

Autonomy by State/Central Govt. / University	<input type="checkbox"/>
University with Potential for Ex- cellence	<input type="checkbox"/>
DST Star Scheme	<input type="checkbox"/>
UGC-Special Assistance Pro- gramme	<input type="checkbox"/>
UGC-Innovative PG programmes	<input type="checkbox"/>
UGC-COP Programmes	<input type="checkbox"/>
UGC-CPE	<input type="checkbox"/>
UGC-CE	<input type="checkbox"/>
DST-FIST	<input type="checkbox"/>

2 IQAC Composition and Activities

2.1	No. of Teachers	8
2.2	No. of Administrative/Technical staff	2
2.3	No. of students	0
2.4	No. of Management representatives	1
2.5	No. of Alumni	0
2.6	No. of any other stakeholder and community representatives	1
2.7	No. of Employers/ Industrialists	0
2.8	No. of other External Experts	0
2.9	Total No. of members	12
2.10	No. of IQAC meetings held	12
2.11	No. of meetings with various stakeholders:	

Faculty	
Non-Teaching Staff	
Students	1
Alumni	1
Others	

2.12 Has IQAC received any funding from UGC during the year?

Yes	<input style="width: 50px; height: 20px;" type="text"/>		No	<input style="width: 50px; height: 20px; text-align: center;" type="text" value="✓"/>
If yes,	mention	the	<input style="width: 50px; height: 20px;" type="text"/>	
	amount			

2 IQAC COMPOSITION AND ACTIVITIES

2.13 Seminars and Conferences (only quality related)

(i) No. of Seminars/Conferences/ Workshops/Symposia organized by the IQAC

Total Nos	<input type="text" value="1"/>
International	<input type="text"/>
National	<input type="text"/>
State	<input type="text"/>
Institution Level	<input type="text" value="1"/>

(ii) Themes

1 ICT enabled teaching

2.14 Significant Activities and contributions made by IQAC

- 1 Conceived the formation of the CPIC
- 2 Decided that student feedback to be automated

2.15 Plan of Action by IQAC/Outcome

	Plan of Action	Achievements
1	Modify the website of the institution to popularize its vision and mission among stakeholders	Website modified
2	Provide more internet connectivity for the faculty and students to enable ICT enabled teaching-learning	Implemented

2.16 Whether the AQAR was placed in statutory body

Yes	<input checked="" type="checkbox"/>
No	<input type="checkbox"/>
Management	<input checked="" type="checkbox"/>
Syndicate	<input type="checkbox"/>
Any other body (Staff Council)	<input checked="" type="checkbox"/>

Provide the details of the action taken

- 1 Staff Council held discussion on the AQAR and approved for its submission before the Administrative Council.
- 2 Administrative Council approved the AQAR 2009-10 and granted permission for final submission.

Part - B

1 Criterion - I: Curricular Aspects

1.1 Details about Academic Programmes

Level of the Programme	Number of existing Programmes	Number of programmes added during the year	Number of self-financing programmes	Number of value added/ Career Oriented programmes

PhD	0	0	0	0
PG	2	0	1	0
UG	6	0	1	0
PG Diploma	0	0	0	0
Advanced Diploma	0	0	0	0
Diploma	0	0	0	0
Certificate	0	0	0	0
Others	1	0	1	0
Total	9	0	3	0
Interdisciplinary	6	0	1	0
Innovative	0	0	0	0

1.2

1.2.1 Flexibility of the Curriculum

Name of Programme	B. Com.
Nature of Programme	CBCS
Core Course	Commerce
Elective option	Financial Management VAT: Concepts and Practices Income tax: Assessment and procedure Income tax: Law and Practices
Complementary Open option	Environmental History in Indian Context Applicable Mathematics Energy and Environmental Studies Chemistry in Everyday Life Physical Health and Life skills Education
Name of Programme	B.A. History

Nature of Programme	CBCS
Core Course	History
Elective option	Forest Management
Complementary	Economics Statistics
Open option	Fundamentals of Accounting Applicable Mathematics Energy and Environmental Studies Chemistry in Everyday Life Physical Health and Life skills Education

Name of Programme	B.A. Malayalam
Nature of Programme	CBCS
Core Course	Malayalam
Elective option	Magazine Journalism
Complementary	Journalism
Open option	Fundamentals of Accounting

Name of Programme	B.Sc. Chemistry
Nature of Programme	CBCS
Core Course	Chemistry
Elective option	Environmental Chemistry
Complementary	Mathematics Physics
Open option	Fundamentals of Accounting Applicable Mathematics Energy and Environmental Studies Environmental History in Indian Context Physical Health and Life skills Education

Name of Programme	B.Sc. Mathematics
Nature of Programme	CBCS
Core Course	Mathematics
Elective option	
Complementary	Computer applications Operations Research
Open option	Fundamentals of Accounting Chemistry in Everyday Life Energy and Environmental Studies Environmental History in Indian Context Physical Health and Life skills Education

Name of Programme	B.Sc. Physics
Nature of Programme	CBCS
Core Course	Physics
Elective option	Nanoscience & Nanotechnology
Complementary	Computer applications Mathematics
Open option	Fundamentals of Accounting Chemistry in Everyday Life Applicable Mathematics Environmental History in Indian Context Physical Health and Life skills Education

Name of Programme	M.Com.
Nature of Programme	CS
Elective option	International Finance Financial Markets and Derivatives

	Security Analysis and Portfolio Management
Name of Programme	M.Sc. Chemistry
Nature of Programme	CS
Elective option	Advanced Organic Chemistry Advanced Inorganic Chemistry Advanced Physical Chemistry

1.2.2 Pattern of programmes:

Pattern	Number of programmes
Semester	8
Trimester	0
Annual	1(Bridge course)

1.3 Feedback from stakeholders

Alumni	<input type="checkbox"/>
Parents	<input type="checkbox"/>
Employers	<input type="checkbox"/>
Students	<input checked="" type="checkbox"/>

Mode of feedback

Online	<input type="checkbox"/>
Manual	<input checked="" type="checkbox"/>
Co-operating schools (for PEI)	<input type="checkbox"/>

1.4 Whether there is any revision/update of regulation or syllabi, if yes, mention their salient aspects.

No

1.5 Any new Department/Centre introduced during the year. If yes, give details.

No

2 Criterion - II: Teaching, Learning and Evaluation

2.1 Total No. of permanent faculty

Total	Asst. Professors	Associate Professors	Professors	Others
22	9	13	0	0

2.2 No. of permanent faculty with Ph.D

5

2.3 No. of Faculty Positions Recruited (R) and Vacant (V) during the year

Asst. Professors		Associate Professors		Professors		Others		Total	
R	V	R	V	R	V	R	V	R	V
0	14	0	0	0	0	0	0	0	14

2.4 No. of

Guest faculty	<input type="text"/>
Visiting faculty	<input type="text"/>
Temporary faculty	<input type="text" value="11"/>

2.5 Faculty participation in conferences and symposia:

No. of Faculty	International level	National level	State level
Attended Seminars/ Workshops	2	2	0
Presented papers	2	0	0
Resource Persons	0	0	0

2.6 Innovative processes adopted by the institution in Teaching and Learning:

- Increased use of ICT and e-resources in teaching process to make it more appealing and informative.

2.7 Total No. of actual teaching days during this academic year

2.8 Examination/ Evaluation Reforms initiated by the Institution

- Changed to the grading system of evaluation for internal and external examinations

2.9 No. of faculty members involved in curriculum restructuring/revision/syllabus development as member of Board of Study/Faculty/Curriculum Development workshop

curriculum restructuring	<input type="text" value="6"/>
curriculum revision	<input type="text"/>
syllabus development	<input type="text"/>

2.10 Average percentage of attendance of students

2.11 Course/Programme-wise distribution of pass percentage :

Title of the Programme	Total no. of students appeared	Division				
		Distinction %	I %	II %	III %	Pass %
B.Sc. Physics	25		72	0	0	75
B.Sc. Maths	26		54			54
B.Sc. Chemistry	31		68	26	0	94
B.A. History	30		63			63
B.Com	55		59	7	18	84

M.Com	17		94	0	0	94
B.A. Malayalam	38		82	0	0	82
M.Sc. Chem- istry	9		56	0	0	56

2.12 How does IQAC Contribute/Monitor/Evaluate the Teaching - Learning processes

- Organizes suitable orientation/bridge courses to freshers so that they are sufficiently warmed up to meet the requirements of the curriculum.
- Conducts workshop for freshers on effective use of the institutional resources such as Library to improve the teaching learning process.
- Organizes various enrichment programmes envisaged in the curriculum.
- IQAC trains teachers in the use of ICT in the classroom and in the preparation of teaching materials to contribute to improving the curriculum.
- Makes sure that the teaching/learning resources for the effective implementation of the curriculum are available to students and faculty.

2.13 Initiatives undertaken towards faculty development

Faculty / Staff Development Programmes	Number of faculty benefited
Refresher courses	0
UGC - Faculty Improvement Programme	0
HRD programmes	0
Orientation programmes	0
Faculty exchange programme	0

Staff training conducted by the university	0
Staff training conducted by other institutions	0
Summer / Winter schools, Workshops, etc.	0
Others	0

2.14 Details of Administrative and Technical staff

Category	Number of Permanent Employees	Number of Vacant Positions	Number of permanent positions filled during the Year	Number of positions filled temporarily
Administrative Staff	17	0	0	0
Technical Staff	4	0	0	0

3 Criterion - III: Research, Consultancy and Extension

3.1 Initiatives of the IQAC in Sensitizing/Promoting Research Climate in the institution

- Project work has been made an integral part of the curriculum to help develop inquisitiveness in students and to acquaint them with research methodology.
- A faculty member of the department is assigned to supervise the research projects of students. Personal mentoring and guidance are extended to the student by the supervising guide throughout the research

process.

- Science forum activities of such as quiz competitions, debates, observance of science day, international year of chemistry, world environment day etc. are intended to create scientific temper and aptitude.

3.2 Details regarding major projects

	Completed	Ongoing	Sanctioned	Submitted
Number				
Outlay in Rs. Lakhs				

3.3 Details regarding minor projects

	Completed	Ongoing	Sanctioned	Submitted
Number	0	1	0	0
Outlay in Rs. Lakhs		0.65		

3.4 Details on research publications

	International	National	Others
Peer Review Journals	2		
Non-Peer Re- view Journals e-Journals			
Conference pro- ceedings	2		

3.5 Details on Impact factor of publications:

Range	<input type="text" value="0.95"/>
Average	<input type="text"/>
h-index	<input type="text"/>
Nos. in SCOPUS	<input type="text"/>

3.6 Research funds sanctioned and received from various funding agencies, industry and other organizations

Nature of the Project	Duration Year	Name of the funding Agency	Total grant sanctioned	Received
Major projects				
Minor Projects	2009-2011	UGC	65000	65000
Interdisciplinary Projects				
Industry sponsored				
Projects sponsored by the University/ College				
Students research projects (other than compulsory by the University)				

3 RESEARCH, CONSULTANCY AND EXTENSION

Any other(Specify)				
Total			65000	65000

3.7 No. of books published

With ISBN No

Chapters in Edited

Books

Without ISBN No.

3.8 No. of University Departments receiving funds from

UGC-SAP

CAS

DST-FIST

DPE

3.9 For colleges

Autonomy

CPE

DBT Star Scheme

INSPIRE

CE

Any other

3.10 Revenue generated through consultancy

3.11 No. of conferences organized by the Institution

Level	International	National	State	University	College
Number					5
Sponsoring agencies					Management

3.12 No. of faculty served as experts, chairpersons or resource persons

3.13 No. of collaborations

International

National

Any other

3.14 No. of linkages created during this year

3.15 Total budget for research for current year in lakhs

:

From Funding agency

From Management of University/College

Total

3.16 No. of patents received this year

Type of Patent	Number
National	
International	
Commercial	

3.17 No. of research awards/ recognitions received by faculty and research fellows of the institute in the year

Total	Inter national	National	State	University	Dist	College

3.18 No. of faculty from the Institution who are Ph. D. Guides

3.19 No. of Ph.D. awarded by faculty from the Institution

3.20 No. of Research scholars receiving the Fellowships

JRF

SRF

Project Fellow

3.21 No. of students Participated in NSS events:

University level	<input type="text"/>
State level	<input type="text"/>
National level	<input type="text" value="2"/>
International level	<input type="text"/>

3.22 No. of students Participated in NCC events:

University level	<input type="text"/>
State level	<input type="text" value="80"/>
National level	<input type="text" value="6"/>
International level	<input type="text"/>

3.23 No. of Awards won in NSS:

University level	<input type="text"/>
State level	<input type="text"/>
National level	<input type="text"/>
International level	<input type="text"/>

3.24 No. of Awards won in NCC:

University level	<input type="text"/>
State level	<input type="text"/>
National level	<input type="text"/>
International level	<input type="text"/>

3.25 No. of Extension activities organized

University forum	<input type="text"/>
College forum	<input type="text"/>
NCC	<input type="text"/>

NSS	2
Any other	1 (CSM)

3.26 Major Activities during the year in the sphere of extension activities and Institutional Social Responsibility

- Save a meal feed an orphan.
- Visit Alphonsa Pain and Palliative unit Murickassery.
- Visit destitute homes
- Career Guidance classes to students of nearby schools

4 Criterion - IV: Infrastructure and Learning Resources

4.1 Details of increase in infrastructure facilities:

Facilities	Existing	Newly created	Source of Fund	Total
Campus area	100,000 <i>m</i> ²			100,000 <i>m</i> ²
Class rooms	22			22
Laboratories	6			6
Seminar Halls	1			1

4 INFRASTRUCTURE AND LEARNING RESOURCES

No. of important equipments purchased (≥ 1.0 lakhs) during the current year.				
Value of the equipment purchased during the year (Rs. in Lakhs)		0.50612	UGC	0.50612
		2.69628	Management	2.69628
Others				
1. Computers	34	5 (1.40 lakhs)	UGC	1.40

4.2 Computerization of administration and library

- Proprietary software Granthasoft for automating the Library.

4.3 Library services:

	Existing		Newly added		Total	
	No.	Value	No.	Value	No.	Value
Text Books	11360		279	87506	11639	
Reference Books	1254		16	11080	1270	
e-Books						
Journals	64	24635			64	
e-Journals						
Digital Database						
CD & Video			5		5	

Others (specify)						
------------------	--	--	--	--	--	--

4.4 Technology upgradation (overall)

	Total Computers	Computer Labs	Internet	Browsing Centres	Computer Centres	Office	Departments	Others
Existing	34	15	32	0	0	4	9	6
Added	5	5	0	0	0	0	0	0
Total	39	20	32	0	0	4	9	6

4.5 Computer, Internet access, training to teachers and students and any other programme for technology upgradation (Networking, e-Governance etc.)

-

4.6 Amount spent on maintenance in lakhs :

i) ICT	1.60597
ii) Campus Infrastructure and facilities	1.05307
iii) Equipments	0
iv) Others	0
Total	2.65634

5 Criterion - V: Student Support and Progression

5.1 Contribution of IQAC in enhancing awareness about Student Support Services

- Class mentors are entrusted with the task of making awareness among students about different support services.
- One-day orientation programme has a section devoted to discussing different support services of the college

5.2 Efforts made by the institution for tracking the progression

- Feedback from alumni

5.3

(a) Total Number of students

UG	<input type="text" value="623"/>
PG	<input type="text" value="69"/>
PhD	<input type="text"/>
Others	<input type="text"/>

(b) No. of students outside the state

(c) No. of international students

(d) Men

No	<input type="text"/>	%	<input type="text"/>
260	<input type="text"/>	37.5	<input type="text"/>

(e) Women

No	<input type="text"/>	%	<input type="text"/>
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432

62.5

(f) Student profile

Last Year						This Year					
General	SC	ST	OBC	PC*	Total	General	SC	ST	OBC	PC*	Total
471	45	33	132	2	683	459	39	35	157	2	692

* Physically Challenged

(g) Demand ratio

*

* Not available in the University Database. Average demand ratio for 2011-12 is 2.966

(h) Dropout %

4.9

5.4 Details of student support mechanism for coaching for competitive examinations (If any)

- Aptitude training for competitive examinations

No. of students beneficiaries

5.5 No. of students qualified in these examinations

NET	<input type="text" value="5"/>
SET/SLET	<input type="text"/>
GATE	<input type="text"/>
CAT	<input type="text"/>
IAS/IPS	<input type="text"/>

PSC	<input type="text"/>
UPSC	<input type="text"/>
Others	<input type="text" value="25"/>

5.6 Details of student counseling and career guidance

- Academic counseling
- Psycho social counselling
- Career Counseling

No. of students benefited

5.7 Details of campus placement

On campus			Off campus
Number of Organizations Visited	Number of Students Participated	Number of Students Placed	Number of Students Placed

5.8 Details of gender sensitization programmes

- The strength of women in family and society-seminar

5.9 Students Activities

5.9.1 No. of students participated in Sports, Games and other events

State/ University level	<input type="text" value="21"/>
National level	<input type="text"/>
International level	<input type="text"/>

No. of students participated in cultural events

State/ University level	<input type="text"/>
National level	<input type="text"/>
International level	<input type="text"/>

5.9.2 No. of medals /awards won by students in Sports, Games and other events

State/ University level	<input type="text"/>
National level	<input type="text"/>
International level	<input type="text"/>

No. of medals /awards won by students in cultural events

State/ University level	<input type="text"/>
National level	<input type="text"/>
International level	<input type="text"/>

5.10 Scholarships and Financial Support

	Number of students	Amount
Financial support from institution	165	528000
Financial support from government	396	
Financial support from other sources		
Number of students who received International/ National recognitions		

5.11 Student organized / initiatives

Fairs :	State/ University level	<input type="text"/>
	National level	<input type="text"/>
	International level	<input type="text"/>
Exhibition:	State/ University level	<input type="text"/>
	National level	<input type="text"/>
	International level	<input type="text"/>

5.12 No. of social initiatives undertaken by the students

5.13 Major grievances of students (if any) redressed:

6 Criterion - VI : Governance, Leadership and Management

6.1 State the Vision and Mission of the institution

6.1.1 Vision of Pavanatma

A vibrant, enlightened, and responsible community founded on a relentless pursuit of excellence.

6.1.2 Mission of Pavanatma

1. Assist the individual in fostering spiritual and humane values to become a blessing to the society and to the nation at large.

2. Enable individuals to become intellectually powerful, socially responsible, emotionally mature and self-reliant.
3. Infuse a genuine love for Nature and interest in protecting the Environment.
4. Inculcate sound moral values in the individual.
5. Be a pioneer in providing quality cum holistic education, responsive to the needs of the society.

6.2 Does the Institution have a management Information System

No

6.3 Quality improvement strategies adopted by the institution for each of the following:

6.3.1 Curriculum Development

- Feedback on curriculum is taken from students and alumni to design enrichment programmes.

6.3.2 Teaching and Learning

- Choice based Credit and Semester System adopted for UG programmes.

6.3.3 Examination and Evaluation

- Grade system adopted for evaluation.

6.3.4 Research and Development

- Student projects included in UG syllabus

6.3.5 Library, ICT and physical infrastructure / instrumentation

- Internet access made available

6.3.6 Human Resource Management

-

6.3.7 Faculty and Staff recruitment

- Recruitment of the best available faculty from among the applicants.
- Guest lecturers appointed to fill vacant faculty positions till government sanctions received to fill vacancies.

6.3.8 Industry Interaction / Collaboration

- CGAP cell was entrusted with the duty of linking with industry for better campus placements.

6.3.9 Admission of Students

- Helpdesk at the Office

6.4 Welfare schemes for

Teaching staff	13
Non-teaching staff	12
Students	12

6.5 Total corpus fund generated

0

6.6 Whether annual financial audit has been done

Yes

No

6.7 Whether Academic and Administrative Audit (AAA) has been done?

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic			No	
Administrative			No	

6.8 Does the University/ Autonomous College declare results within 30 days?

For UG Programmes

Yes

No

For PG Programmes

Yes

No

6.9 What efforts are made by the University/ Autonomous College for Examination Reforms?

6.10 What efforts are made by the University to promote autonomy in the affiliated/constituent colleges?

6.11 Activities and support from the Alumni Association

- The institution has a two tier alumni association, department alumni associations and the college level alumni association PAA (Pavanatma Alumni Association), actively involved in the ISR activities of the institution.

6.12 Activities and support from the Parent - Teacher Association

- Give feedback on ISR activities, student support services, and enrichment programmes.
- Support the institution financially for organizing various orientation programmes for students.

6.13 Development programmes for support staff

- Training programme on computer, office packages by IQAC resource team.
- Annual spiritual animation programme.
- The technical staff in the Physics and Chemistry laboratories have been given adequate training by various suppliers for the proper maintenance and upkeep of the equipment.

6.14 Initiatives taken by the institution to make the campus eco-friendly

- All buildings have been made well-ventilated to minimize the use of fans. ACs are non-existent in the campus.
- Instead of incandescent lamps and fluorescent tubes, CFLs are being used.

- Surface water flowing naturally under gravity is collected in the tanks using hoses to the maximum extend possible, without using motor pumps.
- A bio-gas plant has been installed in the women's hostel to meet the energy needs partially.
- Water sheds have been constructed across the campus to ensure the availability of surface water throughout the year.
- An eco-friendly check dam without using concrete has been constructed in the campus for harvesting and reserving the available surface water resource.
- A herbal garden consisting of different types of medicinal plants is being maintained in the campus.
- A garden is being maintained in the central courtyard.
- Clubs like Bhoomithra club and nature club plant and maintain tree saplings across the campus.
- Most part of the 25 acres wide campus does not have any building and contain thousands of trees like pepper, coffee, coconut, areca nut, rubber etc., which help keep the environment green and cool.
- Many practicals in the campus are done by simulations to minimize the creation of e-waste. For example, the microprocessor programming lab of the department of Physics uses only computer simulations without using the microprocessor toolkit in its effort to reduce e-waste.
- Waste bins are placed at different points across the campus for collecting degradable and non-degradable waste separately.

7 Criterion - VII : Innovations and Best Practices

7.1 Innovations introduced during this academic year which have created a positive impact on the functioning of the institution. Give details.

- Provided more internet access for the faculty and students to enable ICT enabled teaching-learning– This helped to deliver the course content in a more effective manner.

7.2 Provide the Action Taken Report (ATR) based on the plan of action decided upon at the beginning of the year

	Plan of action	Status
1	Modify the website of the institution to popularize its vision and mission among stakeholders	Implemented
2	Provide more internet connectivity for the faculty and students to enable ICT enabled teaching-learning	Implemented

7.3 Give two Best Practices of the institution

Details are given in annexure i.

7.4 Contribution to environmental awareness / protection

- College offers an open course ‘Energy and environmental studies’ which has many modules devoted to the use of renewable energy sources and the imminent depletion of non-renewable fossil energy sources.
- A garden is being maintained in the central courtyard.
- World Environment Day and other special days are being observed

in the college by organizing different programs and competitions for creating awareness among stakeholders.

- Clubs like Bhoomithra club and nature club plant and maintain tree saplings across the campus.
- Most part of the 25 acres wide campus does not have any building and contain thousands of trees like pepper, coffee, coconut, areca nut, rubber etc., which help keep the environment green and cool.

7.5 Whether environmental audit was conducted?

Yes

No

8 Plans of institution for next year

- Constitute CPIC to design, implement and review curriculum in accordance with the mission, vision and core values of Pavanatma.
- Constitute Feedback committee to design, implement and improve the feedback mechanism and automate it
- CPIC must develop excel application for the preparation of gradecards of IAs
- Document Pavanatma Quality Manual comprising all the quality policy statements of the college.

Name: Saji Joseph

Name: Sr. Anice K.P.

8 PLANS OF INSTITUTION FOR NEXT YEAR



Signature of the Coordinator, IQAC *Signature of the Chairperson, IQAC*

Best Practices

1 Best institutional practice–I

1.1 Title of the Practice: Development and preservation of herbal garden

1.2 Goals

1. Provide awareness to stakeholders on the need of protecting the environment and medicinal plants.
2. Preserve the medicinal plants found only on the western-ghats and are on the verge of extinction
3. Supply medicinal plants and saplings to local population on demand
4. Propagate the medicinal value of the plants of the region among the local population so that they protect it without any further persuasion.
5. To maintain a healthy cool and serene atmosphere that is conducive for teaching learning activity in the campus

1.3 The context

- Medicinal plants play a key role in the treatment of a number of diseases, and they are only the source of medicine for majority of people in the developing world. The Western Ghats is one of the major repositories of medicinal plants. The forests and hills of this region is a treasure house of about 700 medicinal plants, some of which are used for traditional, tribal and folk medicinal practices. Out of the large variety of species available in the Western Ghats, about 50 species hold a very high value in the folk and herbal health forms for the treatment of different forms of ailments. The most common plants like the *Mimosa pudica*, *Hibiscus angulosus*, *Leucas aspera*, *Phyllanthus neruri*, *Calotropis gigantea*, *Tridax procumbens*, *Parthenium hys-*

terophorus are all found to have cure for many major ailments like jaundice, asthma, piles, bronchial and blood disorders.

- Currently, the number of species added to the red list category (under great threat of extinction) in this region is increasing, and the valuable genetic resources are being lost at a rapid rate. Forest fires, timber extraction, tea plantations, private enclosures and reservoirs pose threat to the medicinal plants in the forests of the region. Another reason for the depletion of the medicinal resources is the lack of awareness of the local population about the medicinal value of the plants found abundantly in their farmland and destroy them mistaking them for weeds. Only a few aged people among the tribals and villagers know the real medicinal value of the plants and traditions prevent them from sharing the knowledge with outside world.
- By keeping and developing herbal garden and cataloging the medicinal value of each plant (known through the judicious interactions with tribal chieftains) Pavanatma hopes to perpetuate a tradition that has benefited mankind for thousands of years.

1.4 The practice

It is under the initiative and interest of the Department of History the herbal garden is being developed and preserved in the campus. Students do gardening during their leisure hours. Watering, removing weeds, manuring, pruning, etc. are done by them. New varieties are cultured at home and brought to the garden. Rare species are brought from the tribal settlements during the field visits conducted for the students under the supervision of teachers. The medicinal value of the common plants found around are investigated during interactions with the tribal chieftains and aged people of the local population and are cataloged.

Presently there are 250 medicinal plants in the garden and the number is increasing day by day. The students record the botanical name, medicinal value, ethnicity, etc. of each plant. Occasional training programmes are

conducted for the students on the medicinal applications of herbs of the Western Ghats. Villagers often come in search of medicinal plants to the campus and are given them on demand, considering the urgency of the need and the availability of the plant in the garden. Students get hands-on-training in nurturing these valuable gifts of nature and become aware of the medicinal applications of these plants. Staff and students also enjoy the soothing fresh and fragrant air of the garden at all times.

1.5 Evidence of success

The following facts stand as testimony of the achievement of the objectives of the practice:

- Many students and staff have started planting medicinal herbs in their homesteads, taking inspiration from the practice. The objective of spreading the uses of medicinal plants and the habit of preserving them among the local population is becoming a reality.
- Many rare species that are found only in deep forests and whose value is known only to tribals are now growing happily in Pavanatma herbal garden. The objective of protecting them from extinction has succeeded.
- The catalogue of different species and their usefulness is enthusiastically maintained by students, indicating their earnestness in keeping the garden.
- Villagers often come in search of medicinal plants to the campus and are given them on demand, considering the urgency of the need and the availability of the plant in the garden. They are advised to plant and preserve these herbs in their homesteads. During field visits, it has been observed that the number of homesteads with some collection of medicinal herbs is increasing in the neighborhood.

1.6 Problems encountered

- The usefulness of a herb as medicine to which disease is often known only to tribal chieftains. Quite often they are reluctant to reveal it as traditions of the tribe prohibits them from disclosing it. During field visits, only friendly tactical interrogation can make them disclose the medicinal usefulness of the herb.
- The college does not have a Botany department or a department related to Life sciences. Therefore, a research based on modern science and technology has not been conducted on the usefulness of the herbs. Presently, the college depends only on indigenous knowledge.
- The field trips to tribal settlements are often a daunting task with no transportation means available. Students and staff have to walk for many kilometers through deep forest for these visits.

1.7 Resources required

- Initial investment for establishing irrigation facility
- Expenses for preparing the land suitable for planting
- Manures (organic)
- Manual labor for preparing saplings, irrigation, planting saplings, pruning, weed cutting etc.
- Expenses for field trips
- Efforts of cataloging the details such as name (including botanical name) of the species, medicinal application etc.
- Efforts and expenses to put display board showing the above details on the plant.

1.8 Contact details

Name of the Principal:	Sr. Anice K.P.
Name of the Institution:	Pavanatma College, Murickassery.
City:	Idukki (District)
Pin Code:	685604
Accredited Status:	B+
Work Phone :	04868 263235
Fax:	04868 263235
Website:	www.pavanatmacollege.org
E-mail :	mail@pavanatmacollege.org
Mobile:	09947022594

2 Best institutional practice–II

2.1 Title of the Practice: Values education

2.2 Goals

1. Assist the students in fostering spiritual and humane values.
2. Enable the students to manage their activities so that they preserve the dignity of the individual and the well being of the society.
3. Enable students to become socially responsible, emotionally mature.

2.3 The context

- In today's society, many regard achievement or success through ones own efforts and competition as an important value. Material progress has become the indicator for development of a society, and not surprisingly our educational system mostly gives emphasis on these aspects in their content.
- Pavanatma believes that it is the need of the hour to design a programme that would help the student in practicing honesty, tolerance, self respect, love for human dignity, respect and compassion for others, individual freedom and human rights.

2.4 The practice

Values education course is an integral part of all UG and PG programmes at Pavanatma. An expert committee was entrusted with the task of designing the syllabus and study material of the course. The syllabus covers areas such as moral, ethical and spiritual values. The class tutor is in charge of delivering the course content, mainly through lecture method, group discussion and debates. Evaluation of the course is being done internally through test papers, assignments etc.

One extra hour on all Thursdays is dedicated specifically for the Values education course.

2.5 Evidence of success

The following facts stand as testimony of the achievement of the objectives of the practice:

- Student feedback on the Values education course and informal feedback from parents and representatives of the civic bodies suggest that the goals of the course are accomplished.

2.6 Problems encountered

- Additional time has to be found out for organizing the value education classes. During the busy academic schedule this is not very easy.

2.7 Resources required

- Stationery for preparing the study materials for students.

2.8 Contact details

Name of the Principal:	Sr. Anice K.P.
Name of the Institution:	Pavanatma College, Murickassery.
City:	Idukki (District)
Pin Code:	685604

Accredited Status:	B+
Work Phone :	04868 263235
Fax:	04868 263235
Website:	www.pavanatmacollege.org
E-mail :	mail@pavanatmacollege.org
Mobile:	09947022594



PAVANATMA COLLEGE

MURICKASSERY

Idukki (District), Kerala, PIN-685604.

www.pavanatmacollege.org

email: mail@pavanatmacollege.org

