# The Annual Quality Assurance Report (AQAR) of the IQAC

# Part – A

# I. Details of the Institution

1.1 Name of the Institution	GVM's Dr. Dada Vaidya College of Education			
1.2 Address Line 1	Farmagudi			
City/Town	Ponda			
State	Goa			
Din Code	403401			
Pin Code				
Institution e-mail address	gvm.educol@gmail.com			
Contact Nos.	0832- 2335880 0832- 2335089			
Name of the Head of the Institu	Dr. Allan Joseph Abreo			
Tel. No. with STD Code:	0832-2752399			
Mobile:	9422058395			
Name of the IQAC Co-ordinator:	Ganesh Chandra Naik			
Mobile:	9158639188			

<b>IQAC</b>	e-mail	address:
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gvm.educol@gmail.com

1.3 NAAC Track ID (For ex. MHCOGN 18879)

12189

1.4 NAAC Executive Committee No. & Date:

EC/PCA/56/130/ dated 16/09/2011

(For Example EC/32/A&A/143 dated 3-5-2004.

This EC no. is available in the right corner-bottom of your institution's Accreditation Certificate)

1.5 Website address:

http://www.gvmcollege.com

Web-link of the AQAR:

http://www.gvmcollege.com/NAA C/AQAR2014-15.doc

#### 1.6 Accreditation Details

Sl. No.	Cyala	Grade	CGPA	Year of	Validity
S1. NO.	Cycle	Grade	COFA	Accreditation	Period
1	1 <sup>st</sup> Cycle	В	2.77	2011-12	5
2	2 <sup>nd</sup> Cycle				
3	3 <sup>rd</sup> Cycle				
4	4 <sup>th</sup> Cycle				

	- D	C.T.	1 11 1			
ı	7 Date	ot Est	ahlishr	nent of	+ I( ) A ( `	٠

DD/MM/YYYY

7/6/12

1.8 AQAR for the year

2014-15
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1.9 Details of the previous year's AQAR submitted to NAAC after the latest Assessment and Accreditation by NAAC ((for example AQAR 2010-11submitted to NAAC on 12-10-2011)

- i. AQAR 2011-12 submitted to NAAC on 28/9/2012
- ii. AQAR 2012-13\_submitted to NAAC on 30/9/2013
- iii. AQAR 2013-14 submitted to NAAC on 30/9/2014
- iv. AQAR 2014-15 submitted to NAAC on 23/10/2015

1.10 Institutional Status	
University	State
Affiliated College	Yes
Constituent College	No
Autonomous college of UGC	No
Regulatory Agency approved Insti	itution Yes \[  \] by NCTE
Type of Institution Co-education	on  Men Women
Urban	Rural Tribal
Financial Status Grant-in-	aid $\sqrt{}$ UGC 2(f) $\sqrt{}$ UGC 12B $\sqrt{}$
Grant-in-aid	d + Self Financing Totally Self-financing
1.11 Type of Faculty/Programme	
Arts Science	Commerce Law PEI (Phys Edu)
TEI (Edu) V Engineering	g Health Science Management
Others (Specify)	
	Goa University
1.12 Name of the Affiliating University	ity (for the Colleges)
1.13 Special status conferred by Cent	ral/ State Government UGC/CSIR/DST/DBT/ICMR etc
Autonomy by State/Central Govt	t. / University
University with Potential for Exc	vellence UGC-CPE
DST Star Scheme	UGC-CE

UGC-Special Assistance Programme	DST-FIST
UGC-Innovative PG programmes	Any other (Specify)
UGC-COP Programmes	
2. IQAC Composition and A	<u>CTIVITIES</u>
2.1 No. of Teachers	6
2.2 No. of Administrative/Technical staff	1
2.3 No. of students	2
2.4 No. of Management representatives	-
2.5 No. of Alumni	1
2. 6 No. of any other stakeholder and	
community representatives	
2.7 No. of Employers/ Industrialists	
2.8 No. of other External Experts	2
2.9 Total No. of members	12
2.10 No. of IQAC meetings held	4
2.11 No. of meetings with various stakehole	ders: No. 03 Faculty 4
Non-Teaching Staff Students	01 Alumni 01 Students 3
2.12 Has IQAC received any funding from	UGC during the year? Yes  No
If yes, mention the amount	3,00,000 for period 2012-2017

2.13	Seminars and C	onferences (only quali	ty rela	ated)					
	(i) No. of Semi	nars/Conferences/ Wor	rksho	ps/Symposia	ı organ	nized by	the IC	QAC	
	Total Nos.	- International	-	National	-	State	01	Institution Level	01
	(ii) Themes	(1)Branding of an ed (2)How to write Res			ion				
2.14 (	1. Review m	vities and contribution neeting on Practice tea g staff to attend semin	ching	, Internship			_		
2.15	Plan of Action b	y IQAC/Outcome							
	enhancement an	ion chalked out by the nd the outcome achieve n of Action	-	the end of the	·	r *	ear tov	wards quanty	
	Encouraging staff to write papers, Staff participated in seminars and								
	to attend semi	nars, doing weekly	pres	sented papers	s, Staff	semina	ar orga	nized	
	assembly in c	lass.	to d	evelop resea ted.	rch cu	lture. A	ssemb	ly	
	Applying for	UGC Minor projects	6 m	inor projects	got sa	nctione	ed by U	JGC	
2.15	Manager	QAR was placed in statement Syndicate details of the action	ite	Any	other	body			

# Criterion - I

# 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				
PG				
UG	1			
PG Diploma				
Advanced Diploma				
Diploma				
Certificate				1
Others				
Total	1			1
Interdisciplinary				
Innovative				

- 1.2 (i) Flexibility of the Curriculum: Core/Elective option
  - (ii) Pattern of programmes:

Pattern	Number of programmes
Semester	
Trimester	
Annual	1

	Feedback from stakeholders* (On all aspects)	Alumni	$\[ \] \]$ Parents $\[ \] \]$ Employers $\[ \] \]$ Students $\[ \] \]$			
	Mode of feedback :	Online	Manual $$ Co-operating schools (for PEI) $$			
*Ple	ase provide an analysis of the fed	edback in t	he Annexure			
1.4	Whether there is any revision/u	update of	regulation or syllabi, if yes, mention their salient aspects.			
	New B. Ed syllabus was prepared in the year consistent with NCTE model syllabus					
1.5	Any new Department/Centre in	ntroduced	during the year. If yes, give details.			
	No					

# Criterion - II

# 2. Teaching, Learning and Evaluation

2.1 Total N	lo. of
permanent	faculty

Total	Asst. Professors	Associate Professors	Professors	Others
10	4	6	-	-

2.2 No.	of permanent	faculty	with l	Ph.D.

03
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2.3 No. of Faculty Positions Recruited (R) and Vacant (V) during the year

Asst.		Associa	ite	Profes	sors	Others	3	Total	
Professors		Profess	ors						
R	V	R	V	R	V	R	V	R	V
	1								

2.4 No. of Guest and	Visiting faculty	and Temporary	y faculty

01	-	

2.5 Faculty participation in conferences and symposia:

No. of Faculty	International level	National level	State level
Attended	1	18	2
Presented papers	1	12	
Resource Persons		09	20

- 2.6 Innovative processes adopted by the institution in Teaching and Learning:
  - 1. Students presentation in seminar, co-operative project work,
  - 2. Field work/visit, 3. Use of Computer, 4.Use of Projector
- 2.7 Total No. of actual teaching days during the academic year

180

2.8 Examination/ Evaluation Reforms initiated by the Institution (for example: Open Book Examination, Bar Coding, Double Valuation, Photocopy, Online Multiple Choice Questions)

Open book, use of assessment Rubrics

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

2	10	-

2.10 Average percentage of attendance of students

90
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# 2.11 Course/Programme wise distribution of pass percentage :

Title of the Programme	Total no. of students		Г	Division		
Trogramme	appeared	Distinction %	I %	II %	III %	Pass %
B. Ed	100	81	17		-	98

# 2.12 How does IQAC Contribute/Monitor/Evaluate the Teaching & Learning processes:

Through teacher evaluation by students in each term

# 2.13 Initiatives undertaken towards faculty development

Faculty / Staff Development Programmes	Number of faculty benefitted
Refresher courses	
UGC – Faculty Improvement Programme	
HRD programmes	
Orientation programmes	
Faculty exchange programme	
Staff training conducted by the university	
Staff training conducted by other institutions	3
Summer / Winter schools, Workshops, etc.	4
Others	

## 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	14	0	0	0
Technical Staff	1	0	0	0

# Criterion - III

# 3. Research, Consultancy and Extension

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

Encouraging the staff to attend research workshops. Encouraging lecturers to apply for research projects of UGC, encouraging to write research or theoretical articles, staff seminar.

# 3.2 Details regarding major projects

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

## 3.3 Details regarding minor projects

	Completed	Ongoing	Sanctioned	Submitted
Number	0	0	06	0
Outlay in Rs. Lakhs		Rs:5.30 lacs		

## 3.4 Details on research publications

	International	National	Others
Peer Review Journals		01	
Non-Peer Review Journals		02	
e-Journals			
Conference proceedings		18	

3.5 Details on Impact f	factor of publications:			
Range	Average \[	h-index	Nos. in SCOPUS	
3.6 Research funds can	ectioned and received fro	m various funding	agencies industry and o	ther organication

Nature of the Project	Duration Year	Name of the funding Agency	Total grant sanctioned	Received
Major projects				
Minor Projects				
Interdisciplinary Projects				
Industry sponsored				
Projects sponsored by the University/ College				
Students research projects (other than compulsory by the University)				
Any other(Specify)			_	
Total				

IVII
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3.7 No. of books published	i) W	ith ISI	BN No.		Cha	pters in E	Edited Bo	ooks 0	
3.8 No. of University Depa	•		ISBN No						
	UGC- DPE	_		CAS [			T-FIST BT Scher	me/funds	
_	Auton INSPI	· L		CPE CE			3T Star S	Scheme (specify)	
3.10 Revenue generated thr	ough	consult	ancy	Rs. 10,00	00				
3.11 No. of conferences		Lev	el	Internation	nal N	National	State	University	College
		Numl	ber	0	(	)	0	0	0
organized by the Institu	tion	Spon	soring cies						
3.12 No. of faculty served a	as expo	erts, ch	airpersor	ns or resourc	e per	sons	10		
3.13 No. of collaborations		I	nternatio	nal _	Natio	onal _		Any other	02
3.14 No. of linkages created	d durii	ng this	year	-				L	
3.15 Total budget for resear	rch for	currer	ıt year in	lakhs:					
From Funding agency [	UGC		From	Managemen	t of U	Jniversity	/College	-	
Total	Rs. 5.	30							
3.16 No. of patents receive	ed this	year	Туре	of Patent	<u> </u>		Nui	mber	
			Nationa	1		plied	· · · · · · · · · · · · · · · · · · ·	-	
			- mionu			inted		-	
			Internati	ional		plied inted		-	
				. 1. 1		plied		-	
			Comme	rcialised		inted		-	

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

Total	International	National	State	University	Dist	College
-						

3.18 No. of faculty from the Institution who are Ph. D. Guides and students registered under them				
3.19 No. of Ph.D. awarded by faculty from the Inst	titution 0			
3.20 No. of Research scholars receiving the Fellow	ships (Newly enre	olled + ex	xisting ones)	
JRF 0 SRF 0	Project Fellows	0	Any other	
3.21 No. of students Participated in NSS events:	NOT OFFERED			
	University level	-	State level	-
	National level	-	International level	-
3.22 No. of students participated in NCC events: :	NOT OFFEREI	O Univers	ity level Stat	e level
	National level	-	International level	-
3.23 No. of Awards won in NSS: NOT APPLICA	BLE			
	University level		State level	
	National level		International level	
3.24 No. of Awards won in NCC: NOT APPLICA	BLE			
	University level		State level	
	National level		International level	

3.25 No. of Extension a	ctivities organ	ized: Univer	sity forum	College forum 40	
NCC		NSS		Any other	
3.26 Major Activities du Responsibility	uring the year	in the sphere	of extension activi	ties and Institutional Social	
• of the curriculus	0 0	anizes comm	unity works undert	aking several minor projects as par	rt
•	In-service tr	aining to sch	nool teachers by our	faculties on regular basis.	

## **Criterion - IV**

# 4. Infrastructure and Learning Resources

4.1 Details of increase in infrastructure facilities:

Facilities	Existing	Newly created	Source of	Total
			Fund	
Campus area	2630sq	-		2630 sq
	meter			meter
Class rooms	9	-		9
Laboratories	4	1		5
Laboratories	4	1		3
Seminar Halls	1	-		1
No. of important equipments purchased (≥ 1-0 lakh) during the current year.	17.30	Rs1.04		
Value of the equipment purchased				
during the year (Rs. in Lakhs)				
Others				

4.2 Computerization of administration and library

All our books are indexed in the computer with relevant software. In the office all are works are done using computer; Data storage, retrieval and manipulation.

## 4.3 Library services:

	Existing		Newly added		Total	
	No.	Value	No.	Value	No.	Value
Text Books	8293		420		8713	
Reference Books	6213		500		6713	
e-Books	-		-		-	
Journals	36		-		36	
e-Journals	-		Open		-	
			source			
Digital Database	-		ERIC			
CD & Video	160		-		160	
Others (specify)						

Students have allotted INFLIBNET ID for searching references.

# 4.4 Technology up gradation (overall)

	Total Computers	Computer Labs	Internet	Browsing Centres	Computer Centres	Office	Depart- ments	Others
Existing	60	1	LAN	1				
Added	2	-	wifi	-				
Total	62	1		1				

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

We have wi-fi in the campus. Students undertake ICT based projects for which they are given training in the computer room.

4.6	An	iount	spent	on	maintenance	in	lakhs
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i) ICT	0.62602
ii) Campus Infrastructure and facilities	0.35081
iii) Equipments	0.37604
iv) Others	-

**Total:** 1.35287

## Criterion - V

# 5. Student Support and Progression

5.1 Contribution of IQAC in enhancing awareness about Student Support Services

Orientation programme, Use of Notice board, personally informing students about all the schemes. CCA in-charge motivates students to take part in different state level competitions.

5.2 Efforts made by the institution for tracking the progression

Students performing poorly in practice teaching and examinations are specially helped by the college and faculties. Student's feedback on different programmes are taken regularly to solve the problems if any.

5.3 (a) Total Number of students

UG	PG	Ph. D.	Others
100			

(b) No. of students outside the state

Nil

(c) No. of international students

Nil

Men No %

Women

No	%
93	93

Last Year							T	his Yea	ar		
General+ Goan Native	SC	ST	OBC	Physically Challenged	Total	General	SC	ST	OBC	Physically Challenged	Total
52	02	12	33	01	100	55	0	14	31	0	100

Demand ratio

Dropout % NIL

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

We coached some willing students for CTE. But it is yet to be formalized.

No. of students beneficiaries

25

5.5 No. of students qualified	d in these examination	S	
NET	SET/SLET	GATE	CAT
IAS/IPS etc	State PSC	UPSC	Others 5
5.6 Details of student couns	selling and career guida	ance	
We are yet to do it in all our staff as we ar	n a formal way. Inform e a small institution.	ally it is done by	
No. of students ben	efitted all		_
5.7 Details of campus place	ment		
	On campus		Off Campus
Number of Organizations Visited	Number of Students Participated	Number of Students Placed	Number of Students Placed
2	30	7	12
5.8 Details of gender sensit	ization programmes		_
One programme was Women's day	conducted by Ms. Har	sha Naik on	
5.9 Students Activities			_
5.9.1 No. of students	participated in Sports,	Games and other ev	vents
State/ Universit	y level 30 Nat	ional level -	International level -
No. of students	participated in cultural	events	
State/ Universit	y level 80 Nat	tional level	International level

5.9.2	No. of medals /awards won by students in Sp	orts, Games and other	events
Sports	: State/ University level National l	level _ Inter	national level _
	al: State/ University level - National l	level - Inter	national level -
J.10 SCHO	larships and Phiancial Support		
		Number of students	Amount
	Financial support from institution	02	6000
	Financial support from government	All SC/ ST /OBC students (26)	1,28,300
	Financial support from other sources		
	Number of students who received International/ National recognitions		
Fairs Exhibition 5.12 No. 5.13 Majo  Criterio 6. Gove 6.1 State the	c: State/ University level National lest: State/ University level National lest: State/ University level National lest: State/ University level National lest of social initiatives undertaken by the students of grievances of students (if any) redressed:	Intern	national level
profe	ssional development of teachers, both pre-service and in- ing-learning employing both insight and technology with	service, for reflective, const	tructive and value-based
Missi throu	ion Statement: The mission of the College is to achieve exgh.	scellence in the professional	l development of teachers
	<ul> <li>Developing committed, technology savvy, value</li> <li>Initiating them to lifelong learning and to innov classroom teaching.</li> <li>Training them to create an environment in edu communication, cultural diversity and national community for its educational and socio-cultur.</li> </ul>	rative, interactive, activity-or cational and social milieus integration orienting them	oriented and child-centred that would promote

Rev

#### 6.2 Does the Institution has a Management Information System

Not done yet. We are exploring the possibilities

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

#### 6.3.1 Curriculum Development

The staff is engaged in designing new curriculum based on NCTE suggestion. In the staff meetings, matter relating to curriculum transaction are decided. Review meeting are held with students to assess different programmes.

## 6.3.2 Teaching and Learning

All classrooms are fitted with LCD projectors and internet for better teaching. Students are assessed through class test and low achieving students helped.

#### 6.3.3 Examination and Evaluation

Several class tests are conducted in each paper. Results declared on time. Moderation of marks is done before the final internal mark is sent to the university.

## 6.3.4 Research and Development

There is no research done in the college at present. However, the staff is told and motivated to apply Minor Research Project and write papers. Staff is encouraged to attend research workshops and seminars.

#### 6.3.5 Library, ICT and physical infrastructure / instrumentation

There is a library committee to select good books for the library. Problems related to library are discussed and solved.

#### 6.3.6 Human Resource Management

As we are a small staff, this is not a problem. Principal takes due care to see that each staff gets appropriate responsibility based on his/her ability and interest.

	6.3.8	Industry Interaction / Collaboration					
			collaboration to with schools.	for practice teach	ing and		
	6.3.9	Admissio	n of Students				
		through		by the state gove We all helped the			
6.4 Wel	fare schem	nes for	Teaching	We have a Staff instant and long t teaching staff		ative Society to give	
			Non teaching	-do-	1. 1 1 6	. 11	
			Students	Poor students are	nelped financia	ally	
6.5 Tota	al corpus fu	and genera	ieu	with the agement			
6.6 Wh	ether annua	al financial	audit has been	done Yes	√ No [		
6.7 Wh	ether Acad	emic and A	Administrative A	Audit (AAA) has	been done?		
	Audit	Туре	Ext	ternal	In	ternal	
			Yes/No	Agency	Yes/No	Authority	
	Academic		No		Yes	Principal and Management	
	Administr	rative	tive No Yes Management				
6.8 Doe	es the Unive	•	onomous Colle	ge declares result	s within 30 da	ays?	

6.3.7 Faculty and Staff recruitment

There is procedure laid down by University, UGC and

NCTE for it and the college abide by it.

For PG Programmes Yes No
6.9 What efforts are made by the University/ Autonomous College for Examination Reforms?
NOT APPLICABLE
6.10 What efforts are made by the University to promote autonomy in the affiliated/constituent colleges?
NOT APPLICABLE
6.11 Activities and support from the Alumni Association
We have Alumni Association, but not any substantial help so far.
6.12 Activities and support from the Parent – Teacher Association
We have Parent Teacher Association, but not any substantial help so far.
6.13 Development programmes for support staff
We have informal meetings for Etiquette and manners
6.14 Initiatives taken by the institution to make the campus eco-friendly
Plantation of trees, Gardening, retaining wall to stop soil erosion, not using plastic and not burning plastics too. Well ventilated class rooms with natural light.
Criterion – VII

#### C

# 7. 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.

Interactive white board has been introduced in teaching in the college. Lecturers regularly PPTs using projectors. Students present seminars in all papers.

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

Weekly assembly was started in the class. Staff seminar has been continued. Staff is encouraged to attend seminars and workshops and take up projects. Curriculum was revised.

<ol> <li>Students' presentation of assignments as seminar in the respective classes.</li> <li>Sci-fun project by the college</li> </ol>
*Details are attached in the annexure i and ii
7.4 Contribution to environmental awareness / protection
Environment day is celebrated in the college with a guest lecture on the relevant topic.  An elective paper on environment education in which 30+ students were there.
7.5 Whether environmental audit was conducted? Yes No √
7.6 Any other relevant information the institution wishes to add.
1. Our faculties have taken keen interest in attending seminars and conferences and writing papers. We are also doing a number of workshops for school teachers in our college through extension services department.
2. We have one year certificate programme in pre-primary education in our college. It is running successfully.
3. IGNOU B. Ed study centre is there in our college. Our staffs are actively engaged in those IBNOU activities.
4. We have applied to the NCTE for an M. Ed Programme and a Research centre for the college.
5. We have carved a name in the State. Our management 'Goa Vidya Prasarak Mandal' is more than 100 years old and has a penchant for education and strives for quality in teaching and learning.
8. Plans of institution for next year
1. Organising more State level seminars in teacher education and on quality parameters.
2. Taking up more IQAC activities.
3. Taking up UGC projects.
4. Making the PTA and ALUMNI more vibrant
Name: Mr. Ganesh Chandra Naik Name: Dr. Allan JosephAbreo
Signature of the Coordinator, IQAC Signature of the Chairperson, IQAC

7.3 Give two Best Practices of the institution (please see the format in the NAAC Self-study Manuals)

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#### Annexure 1

#### Best practice of students' assignments.

#### Best practice 1:

Title: Students' assignment presentation as a teaching, learning and evaluation practice

Goal: This practice was part of our policy to make teaching and learning student-centred.

**Context and practice**: Instead of the lecturers teaching everything in the class, some easy topics (at least 25%) would be given as assignments to students to present in the class. Students search materials from different sources with the assistance of teachers and submit written assignment. Some part of assignments would be presented in the class with the help of the LCD projector. Before presentation they may like to show it to their teacher for any change if they so desire.

In advance the students are told about their presentation dates so that they come prepared. In the general class the assignments are done collaboratively and presented also in groups. Time for presentation is decided based on the nature of the topic. At the end the audience students are free to ask questions and/or add to it. The lecturer also asks and adds to the presentation. Students are graded based on their presentation and participation in the seminar through a rubric.

**Evidence of success:** All Students do it and make PPT for presentation. Many new ideas are presented which even the lecturer is not aware of at times. On the given topic the students become proficient and get good marks in the University examination. Ready- made notes on a number of topics become a reality for all students. Students get a variety of presentations in the class. Students' seminar has become a regular and time tested practice in the college and is compulsory in all papers.

**Problems encountered:** Some students do not prepare on the presentation as required. So their presentations are not liked by the students. There have been several instances of absenteeism during these presentation sessions. Many students do not pay attention to these presentations as these are by the students not lecturer. They do not participate in discussions at the end of presentation.

**Note:** It is a best practice in a class of 30 students. Each student should get minimum 20 minutes to present a topic. It is better to reward those who participate in the discussion also. Give sufficient time to prepare on the topic and check their PPT before it is presented.

( The full report has been published in Naik, G. C.(2012) Students' presentation: Students view on it. *New Frontiers in Education*, Oct-Dec. pp. 43-47.)

#### Contact details

Name of the IQAC co- ordinator: Mr. Ganesh Chandra Naik, E-mail: ganeshchandra40@yahoo.co.in

Name of the Principal: Dr. Allan Abreo, E-mail: allancora@gmail.com and gvm.educol@gmail.com

Name of the Institution: GVM's Dr. Dada Vaidya College of Education, Ponda, Goa

**Accredition Status**: B Grade (2.77)

Website: <a href="http://www.gvmcollege.com">http://www.gvmcollege.com</a>, E mail: <a href="mailto:gvm.educol@gmail.com">gvm.educol@gmail.com</a>

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#### Annexure ii

#### **Best Practice 2**

#### 1.TITLE

SCIFUN: Science popularizing program in middle and secondary schools of Goa, funded by Dept of Science, Technology and Environment, by using low cost materials.

#### 2.GOAL

The aim of this program is to make the subject more lucid and interesting for school children. It is to help students relate science in daily life and to use low cost, throw away materials for learning science. The program aims to dispel the notion that science learning needs special set up and equipments.

#### 3. THE CONTEXT

The program has been created, designed and organized by Dr. Anna Neena George, Associate Professor at the College at the behest of the GVM Management. it is being conducted for 3 years from 2011. The DST hasn't specified or given any program format per se. The program is indispensable due to the colossal dearth of 'learning by doing' in science education and the extreme importance given to scoring of marks in written exams, in schools. The only hurdle in the program is the paucity of time. The B.Ed. course being very intensive, it becomes difficult to train the students for the program and organize many school visits. The program is not part of the B.Ed course.

#### 4. THE PRACTICE

The most unique feature of this program is the direct link between teacher trainees and school children. Here the trainee is given free hand to design learning experiences and the materials. This program not being part of the B.Ed. assessment, adds value to their contribution. Such dynamic voluntary programs are rarely part of Indian Higher Education. The program is designed to give opportunity for school students of std.6<sup>th</sup>, 7<sup>th</sup> and 8<sup>th</sup> to handle the materials and learn science. The B.Ed (Science) trainees are given orientation about the program. They are asked to make science teaching materials using Arvind Gupta's ideas, using throw away and low cost materials like old slippers, straw, old CD, pet bottles, balloons, syringe, bottle brush, cycle wheel. The science students are trained to give explanation about the concept, with the help of handmade flash cards. During the program, the school students are divided into small groups of 4 or 5 and each group shares the material. The materials are made to cater to class of 45 or 50. Every visit to the school which is of 3 hours, consists of 1 hour in the classroom followed by 2 hours of demonstrations to the combined group of 6<sup>th</sup>, 7<sup>th</sup> and 8<sup>th</sup>. Here they get to see presentation, science action song and chemistry demonstrations.

#### 5. EVIDENCE OF SUCCESS

The program has been conducted in 16 schools on Goa in 3 years, catering to 2000 students, including Navodaya Vidyalayas and Kendria Vidyalayas. It has been highly appreciated as seen in the written feedback from the school principals and science teachers. It had been also conducted in Kolhapur and Sangli, Maharashtra on special request.

6. PROBLEMS ENCOUNTERED AND RESOURCES REQUIRED: Vehicle is required to go to different schools. Students of the college have to provide their own time to be part of this programme.

#### 7. Contact details

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