

# The Annual Quality Assurance Report (AQAR) of the IQAC 2014-15

## Part – A

### I. Details of the Institution

1.1 Name of the Institution

Jagdish Chandra D.A.V College, Dasuya

1.2 Address Line 1

Balagan Road

Address Line 2

City/Town

Dasuya

State

Punjab

Pin Code

144205

Institution e-mail address

jc dav \_ dasuya @ yahoo . co . in

Contact Nos.

01883-286600, 286700

Name of the Head of the Institution:

Dr. Rajesh K. Mahajan

Tel. No. with STD Code:

01883-286600

Mobile:

09872986601

Name of the IQAC Co-ordinator:

Dr. Bhanu Gupta

Mobile:

09501076201

IQAC e-mail address:

iqacjcdav@gmail.com

1.3 NAAC Track ID (For ex. MHC0GN 18879)

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1.4 NAAC Executive Committee No. & Date:

(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)

EC/53/A & A/04 dated 04-09-2010

1.5 Website address:

www.jcdavdasuya.com

Web-link of the AQAR:

www.jcdavdasuya.com/images/AQAR2014-15.pdf

1.6 Accreditation Details

Sl. No.	Cycle	Grade	CGPA	Year of Accreditation	Validity Period
1	1 <sup>st</sup> Cycle	A	3.11 on Four Point Scale	2010	Five years
2	2 <sup>nd</sup> Cycle				
3	3 <sup>rd</sup> Cycle				
4	4 <sup>th</sup> Cycle				

1.7 Date of Establishment of IQAC:

18/ 01 / 2011

1.8 AQAR for the year

2014-15

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

- i. AQAR 2013-14 submitted to NAAC on 26-08-2015
- ii. AQAR 2012-13 submitted to NAAC on 25-06-2015
- iii. AQAR 2011-12 submitted to NAAC on 25-06-2015
- iv. AQAR 2010-11 submitted to NAAC on 25-06-2015

1.10 Institutional Status

University State  Central  Deemed  Private

Affiliated College Yes  No

Constituent College Yes  No

Autonomous college of UGC Yes  No

Regulatory Agency approved Institution Yes  No

(eg. AICTE, BCI, MCI, PCI, NCI)

Type of Institution Co-education  Men  Women

Urban  Rural  Tribal

Financial Status Grant-in-aid  UGC 2(f)  UGC 12B

Grant-in-aid + Self Financing  Totally Self-financing

1.11 Type of Faculty/Programme

Arts  Science  Commerce  Law  PEI (Phys Edu)

TEI (Edu)  Engineering  Health Science  Management

Others (Specify)

Computer Science

1.12 Name of the Affiliating University (*for the Colleges*)

Panjab University, Chandigarh

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

Autonomy by State/Central Govt. / University	<input type="text" value="No"/>		
University with Potential for Excellence	<input type="text" value="--"/>	UGC-CPE	<input type="text" value="--"/>
DST Star Scheme	<input type="text" value="--"/>	UGC-CE	<input type="text" value="--"/>
UGC-Special Assistance Programme	<input type="text" value="--"/>	DST-FIST	<input type="text" value="--"/>
UGC-Innovative PG programmes	<input type="text" value="--"/>	Any other ( <i>Community College</i> )	<input type="text" value="Organic Farming"/>
UGC-COP Programmes	<input type="text" value="--"/>		

## **2. IQAC Composition and Activities**

2.1 No. of Teachers	<input type="text" value="10"/>
2.2 No. of Administrative/Technical staff	<input type="text" value="01"/>
2.3 No. of students	<input type="text" value="02"/>
2.4 No. of Management representatives	<input type="text" value="01"/>
2.5 No. of Alumni	<input type="text" value="02"/>
2.6 No. of any other stakeholder and community representatives	<input type="text" value="01"/>
2.7 No. of Employers/ Industrialists	<input type="text" value="01"/>
2.8 No. of other External Experts	<input type="text" value="0"/>
2.9 Total No. of members	<input type="text" value="18"/>

2.10 No. of IQAC meetings held

2.11 No. of meetings with various stakeholders: No.  Faculty

Non-Teaching Staff  Students  Alumni  Others

2.12 Has IQAC received any funding from UGC during the year? Yes  No

If yes, mention the amount

2.13 Seminars and Conferences (only quality related)

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

Total Nos.  International  National  State  Institution Level

**Annexure-I**

(ii) Themes

2.14 Significant Activities and contributions made by IQAC

- 1. Awarded a best teacher and a non-teaching staff member.
- 2. Monitored all significant academic activities in the college.
- 3. IQAC has been continuously encouraging the teaching departments to engage in research work and avail of the grants offered by the UGC under various heads.

2.15 Plan of Action by IQAC/Outcome

The plan of action chalked out by the IQAC in the beginning of the year towards quality enhancement and the outcome achieved by the end of the year \*

Plan of Action	Achievements
<b>Annexure-II</b>	<b>Annexure-II</b>

2.16 Whether the AQAR was placed in statutory body      Yes       No

Management       Syndicate       Any other body

Provide the details of the action taken

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### Annexure-I

1. IQAC celebrated Scientific Awareness Month during December/January in which the students from class IX to class XII of various schools (private/govt.) of the vicinity are shown various science labs of the college. During this free transportation, refreshment and carrier guidance is provided to these students.
2. IQAC in collaboration with NSS organised Blood Donation Camp on 10/11/14.
3. IQAC organised quality research oriented movie show on April 28, 2015 for teaching faculty. The movie “Death of a Doctor” was shown and post show discussion session was arranged to enhance the critical approach and to promote quality research oriented environment.
4. IQAC in collaboration with Computer Science department organised one day workshop on “Enhancing Computer Skills” for Non-Teaching staff members on May 01, 2015.
5. IQAC in collaboration with Computer Science department organised a workshop titled “Basic Computer Skills” in which free computer training was provided to non-working ladies of local society from 01/06/15 to 02/06/15.
6. IQAC in collaboration with Department of Zoology, Biotechnology and Devinder Clinical Laboratory provided free consultancy to the people of local area regarding Lab. Tests.
7. IQAC in collaboration with Department of English organised communication sessions for the students of +1/+2 of the collegiate wing.

## Annexure-II

### Academic Calendar

#### Admission Schedule

	Without Late Fee	With Late Fee Rs.500/-	With Late Fee Rs. 1800/- and Permission of V.C.
B.A/B.Sc/B.Com/B.C.A/B.Sc.Biotech (I.II.III) M.Sc. Zoology III SEM, M.Sc. Physics III SEM, M.Sc. Chemistry III SEM M.Sc.IT Semester I & III SEM M.Sc. Mathematics I & III SEM M.A. English I & III SEM M.A. History I & III SEM M.A. Punjabi I & III SEM, PGDCA	07/07/2014 to 15/07/2014	16/07/2014 to 28/07/2014	30/07/2014 to 20/08/2014

Teaching work started from 10-07-14 and 15-07-14 in respect of ongoing classes and New Classes respectively.

#### Activity Schedule

Enrolment of cadets to NCC (All Wings) & NSS	Till August 31, 2014.
Talent Search Competition for CCA	Till August 20, 2014.
Enrolment of Players in various teams	Till August 31, 2014.
Preparatory Holidays for Semester/Annual	As per University Notification
Exam 2014-2015	

#### Plan of Action

IQAC advised the various teaching departments to organize national / international level Conference/ Seminar/workshop to promote research and research related activities among faculty and post graduate students. Cell advised to create a post of Dean Students Welfare to take care of the problems related to students. IQAC also suggested that infrastructure/facilities of Girls Hostel should be updated. Cell also put emphasis on improving infrastructure of Staff room

and to provide a separate space for faculty in college canteen. IQAC also agreed to launch an innovative scheme “Earn while Learn” to benefit poor student. It was also decided to purchase more reference books in Library.

### **Achievements**

As per the decision made in the meeting of IQAC, PG departments of Mathematics, Physics, Computer Science, Zoology in collaboration of Organic Farming and History in collaboration with Gandhian Studies Centre and Ambedkar Studies Centre organized national / international level Conferences to promote research and research related activities among faculty and post graduate students. On the advice of this cell, Staff Counsel of the college created a post of Dean Students Welfare to take care of the problems related to students, if any. The infrastructure/facilities of Girls Hostel were also updated as per requirement. A number of new books were purchased in the Library.



## Part – B

### 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	08	-	08	-
UG	05	-	03	-
PG Diploma	01	-	01	-
Advanced Diploma	03	02	-	-
Diploma	04	-	-	-
Certificate	04	-	-	-
Others		-	-	-
<b>Total</b>	25	02	12	-
Interdisciplinary	-	-	-	-
Innovative	-	-	-	-

##### 1.2 (i) Flexibility of the Curriculum: CBCS/Core/Elective option / Open options

##### (ii) Pattern of programmes:

Pattern	Number of programmes
Semester	13 (8PG Courses and First year of 5 UG Courses)
Trimester	-
Annual	17( Except First year in 5 UG Courses)

##### 1.3 Feedback from stakeholders\* (On all aspects)

Alumni  Parents  Employers  Students

Mode of feedback : Online  Manual  Co-operating schools (for PEI)

**Annexure- III**

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

Due to introduction of semester system in undergraduate courses, the syllabi are accordingly reframed by the university.

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

Community college – <b>Organic Farming</b> sanctioned by UGC, New Delhi.
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### **Annexure-III**

Feedback from the employers (DAV College Managing Committee, New Delhi) is continuously communicated to the employees of the college by Principal through Administrative Office. Any issue requiring view of the employees is discussed in the meetings of advisory committee and staff council of the college. Any other issue related to particular staff members is discussed through Staff Secretary or in the meeting of staff council.

Feedback from the students is communicated either directly to the Principal or College Registrar or office superintendent or mentoring sessions of the students or scholars from or any other platform of the students. Feedback from the students regarding discipline is discussed in the Discipline Maintenance Committee headed by Prof-In-Charge Discipline Committee. Feedback regarding teaching learning process or university work or any other issue is addressed by the College Registrar with the help of College Principal. Feedback from the alumni association is taken care of by the Principal or the Advisory Committee of the College.

## Criterion – II

### 2. Teaching, Learning and Evaluation

2.1 Total No. of permanent faculty

Total	Asst. Professors	Associate Professors	Professors	Others
31	24	07	NIL	NIL

2.2 No. of permanent faculty with Ph.D.

09
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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
-	39	-	-	-	-	-	-	-	39

2.4 No. of Guest and Visiting faculty and Temporary faculty

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2.5 Faculty participation in conferences and symposia:

No. of Faculty	International level	National level	State level
Attended	00	07	00
Presented papers	21	62	00
Resource Persons	00	00	00

#### Annexure-IV

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

Latest Audio Visual aids are used in PG classes
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2.7 Total No. of actual teaching days during this academic year

P.G – 185
U.G - 188

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 system is allowed in some examinations on moral values.
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2.9 No. of faculty members involved in curriculum restructuring/revision/syllabus development as member of Board of Study/Faculty/Curriculum Development workshop

2	3	-
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NOTE: In addition to these, 1 faculty member is a members of Academic Council, Panjab University, Chandigarh.

2.10 Average percentage of attendance of students

78.26%
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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.A-I <sup>st</sup> ( Sem. I)	255	1.18	8.24	20.39	7.8	37.66
B.A I <sup>st</sup> ( Sem. II)	176	0.56	17.61	23.86	10.22	52.27
B.A. II	131	–	30.53	38.93	9.60	79.06
B.A. III	118	0.84	37.28	51.69	4.23	94.04
B.Sc(N.M/Med.) Sem. I	303	5.28	27.06	19.14	1.98	53.46
B.Sc(N.M/ Med) Sem II.	266	4.89	28.20	19.54	3.38	55.79
B.Sc(N.M/ Med) II	136	5.88	34.55	50.73	3.57	94.83
B.Sc(N.M/ Med.) III	98	3.06	51.02	32.65	3.06	89.79
B. Com-I <sup>st</sup> (Sem. I)	73	-	27.40	17.81	-	45.21
B.ComI <sup>st</sup> (Sem.II)	63	1.59	47.61	6.35	–	55.55
B.Com II	55	–	45.45	27.27	–	72.72
B.Com III	45	2.22	86.66	8.88	–	97.26
B.C.A.-I (Sem.I)	69	1.45	18.84	8.70	-	28.99
BCA -I( Sem.II)	57	1.75	12.28	–	5.26	19.29
B.C.A II	29	–	58.62	–	–	58.62
B.C.A III	26	3.84	88.46	7.69	–	100
B.Sc. Bio-Technology (Hons.) (Sem.I)	23	4.35	13.04	21.74	-	39.13
B.Sc Bio-Technology (Hons.) (Sem. II)	19	10.52	57.89	5.26	–	73.68
B.Sc Bio-Technology (Hons.) II	14	17.14	71.42	21.42	-	100
B.Sc Bio-Technology(Hon s.) III	13	23.07	69.23	–	–	92.30

M.Sc.Zoology I sem	24	33.33	50	8.33	-	91.66
M.Sc.Zoology II sem	22	13.63	77.27	9.09	-	100
M.Sc.Zoology III sem	26	3.85	88.46	3.85	-	96.16
M.Sc.Zoology IV sem	26	7.69	76.92	11.53		96.14
M.Sc.I.T. I sem	44	34.09	43.18	-	-	77.27
M.Sc.I.T. II sem	39	35.89	35.89	-	-	71.79
M.Sc.I.T. III sem	34	47.05	52.94	-	-	100
M.Sc.I.T. IV sem	34	88.23	11.77	-	-	100
M.Sc. Physics I sem	47	36.17	48.93	2.13	-	87.23
M.Sc. Physics II sem	47	27.66	53.19	4.25	-	85.11
M.Sc. Physics III sem	44	4.54	61.36	15.90	13.63	95.43
M.Sc. Physics IV sem	44	4.54	65.90	9.09	6.81	83.78
M.Sc. Chemistry I sem	46	-	63.04	30.43	2.17	95.64
M.Sc. Chemistry II sem	46	2.17	69.56	21.73	2.17	95.63
M.Sc. Chemistry III sem	39	5.13	71.79	15.38	2.56	94.86
M.Sc. Chemistry IV sem	39	5.12	71.79	15.38	-	92.29
M.Sc. Mathematics I sem	40	-	17.5	30	2.5	50
M.Sc. Mathematics II sem	39	5.12	41.02	30.76	2.56	79.48
M.Sc. Mathematics III sem	22	-	4.55	27.27	-	31.82
M.Sc. Mathematics IV sem	20	-	15	-	-	15
M.A. English I sem	46	-	2.17	39.13	8.17	50
M.A. English II sem	38	-	5.26	42.10	5.26	52.62
M.A. English III sem	26	-	15.38	76.92	-	92.3

M.A. English IV sem	25	-	32	28	-	60
M.A. History I sem	30	-	26.67	23.33	6.67	56.67
M.A. History II sem	23	-	21.73	47.82	26.08	95.65
M.A. History III sem	20	-	-	45	30	75
M.A. History IV sem	19	-	21.05	68.42	-	89.47
M.A. Punjabi I sem	19	-	-	73.68	5.26	78.94
M.A. Punjabi II sem	18	-	22.22	55.55	11.11	88.88
M.A. Punjabi III sem	12	-	50	50	-	100
M.A. Punjabi IV sem	12	-	50	41.6	-	91.66
PGDCA	08	-	50	-	-	50

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

**Feedback from students, parents, employees, alumni is taken by IQAC and discussed in IQAC meetings.**

2.13 Initiatives undertaken towards faculty development

<i>Faculty / Staff Development Programmes</i>	<i>Number of faculty benefitted</i>
Refresher courses	04
UGC – Faculty Improvement Programme	--
HRD programmes	--
Orientation programmes	01
Faculty exchange programme	--
Staff training conducted by the university	--
Staff training conducted by other institutions	--
Summer / Winter schools, Workshops, etc.	02
Others ( Short Term Courses)	03

**Annexure-V**

## 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	10	3	-	04
Technical Staff	16	3	-	16

### Annexure IV

#### FACULTY ATTENDED NATIONAL LEVEL CONFERENCE/SEMINAR

1. **Dr. Rajesh Thakur** participated in National Seminar on **Renewable Energy Sources** sponsored by Punjab Technical University, Jalandhar Organized by Universal Group of Institution, Lalru (Punjab) held on Oct. 29, 2014.
2. **Dr. Rajesh Thakur** participated in One day national seminar on **Organic Farming: Need of the hour** organized by Community college and Deptt. of Zoology JCDAV College Dasuya, on March 11, 2015.
3. **Prof. Sital Singh** participated in **Eighth Sarv Bharti Punjabi Conference** at Punjabi University Patiala from 30-04-2015 to 01-05-2015.
4. **Sh. Tarsem Lal (Librarian)** participated in one day National Conference on **Emerging Challenges in Physics & Nano Science** at J.C. D.A.V. College, Dasuya on March 04, 2015.
5. **Prof. Tnu Mahajan** attended workshop on **Interfacing Innovation & IPR for Diffusion of Technology** organized by NRDC & DAV University at DAV University Jalandhar on September 12, 2014.
6. **Prof. Tnu Mahajan** participated in National Workshop on Research Trends in Computational Techniques at DAV College Jalandhar from 16- 22 April 2015.
7. **Dr. Bhanu Gupta** attended workshop on **Interfacing Innovation & IPR for Diffusion of Technology** organized by NRDC & DAV University at DAV University Jalandhar on September 12, 2014.

#### PAPERS PRESENTED IN INTERNATIONAL LEVEL CONFERENCE/ SEMINAR

1. **Prof. Amit Sharma** presented a paper titled **Modeling and Analysis of Prey-Predator System with Harvesting of Both the Species** in Panjab University sponsored International Conference on Recent Trends in Mathematical Modeling and statistical analysis organized by JCDAV College, Dasuya on September 30, 2014.

2. **Dr. Anil Kumar** presented a paper titled **Isospectral Soliton Solutions** at International Conference on Recent Trends in Math. Modeling and Stat. Analysis organized by JC DAV College, Dasuya on 30<sup>th</sup> Sep. 2014.
3. **Prof. Deepak Saini** presented a paper titled **Gandhi & its Non Violence Theory – Need of the Era** in International Conference on Mahatma Gandhi & His Philosophy in Contemporary World at J.C.D.A.V. College Dasuya on 18 March 2014.
4. **Prof. Deepak Saini** presented a paper titled **Role of Statistics in Biology** in International Conference on Recent Trends in Mathematical Modelling & Statistical Analysis at J.C.D.A.V. College Dasuya on 30 Sep 2014.
5. **Prof Jagdeep Singh** presented a paper titled **Generation of Random Numbers for Discrete System Simulation** in one day International Conference on Recent Trends in Mathematical Modeling and Statistical Analysis organized by Post graduate Department of Mathematics, JC DAV College, Dasuya, on September 30, 2014.
6. **Prof Jagdeep Singh** presented a paper titled **Role of ICT in Education and Challenges** in two days International Conference on Future and Challenges of Computational and Integrated Sciences organized by PG Departments of Computer Science and Bioinformatics, Hans Raj Mahila Maha Vidyalaya, Jalandhar, September 7 & 8, 2014.
7. **Prof. Kamal Mehta** presented paper titled **Antimicrobial Activity of Zn Nanoparticles against Salmonella Typhi** in one day UGC Sponsored International Conference on Emerging trends in Physics and Nanosciences 2015 organized by PG Department of Physics, JCDAV College, Dasuya on March 04, 2015.
8. **Prof. Rajesh Kumar** presented a paper titled **Mathematics as a Sub-Discipline of Chemistry** at International conference on recent trends in mathematical modeling and statistical analysis held at JCDAV College, Dasuya, Sept. 30, 2014.
9. **Dr. Girish Kumar** presented a paper titled **An Overview of Chaos in Oscillatory Chemical Reactions** in Recent trends in mathematical modeling and statistical analysis at JCDAV College Dasuya on 30<sup>th</sup> Sep. 2014.
10. **Prof. Deepak Kumar** presented a paper titled **Role of Mathematical Modelling in the Cardiovascular System** in Recent Trends in International conference on Mathematical Modeling and Statistical Analysis organised by P. G. Deptt. of Mathematics, JCDAV College, Dasuya on 30-09-2014.
11. **Dr. Rajesh Kumar** presented a paper in International conference on **Recent Trends in Mathematical Modeling and Statistical analysis** organized by PG Deptt. of mathematics, JC DAV College Dasuya on 30<sup>th</sup> September 2014.
12. **Dr. Vinay Kumar** presented a paper titled **Gandhian Philosophy and World Peace** in International Conference on Gandhi's Approach to Conflict Resolution and World Peace at Department of Gandhian and Peace Studies at Panjab University, Chandigarh on 30<sup>th</sup> January, 2015.
13. **Dr. Vinay Kumar** presented a paper titled **Mahatma Gandhi and the Idea of Swadeshi** in International Conference on Relevance of Gandhi in the Contemporary World at DAV College, Amritsar on 2<sup>nd</sup> February, 2015.
14. **Dr. Vinay Kumar** presented a paper titled **Role of Social Thinkers in the Nation Building** in International Conference on Nation, Freedom and Religion: Reflections on



the ideas of Swami Dayanand, Swami Vivekanand and Mahatma Gandhi at Radha Karishna Arya College, Nawanshahr on 4<sup>th</sup> February, 2015.

15. **Dr. Jajpinder Kaur Roop** presented a paper in International Conference on Recent Trends in Mathematical Modeling and Statistical Analysis organized by Post Graduate Department of Mathematics, Jagdish Chandra DAV College, Dasuya on September 30, 2014.
16. **Prof. Mohit K. Sharma** presented a paper titled **Computer Oriented Numerical Methods** in Panjab University Sponsored One Day International Conference on Recent Trends in Mathematical Modeling and Statistical Analysis at J.C. D.A.V. College, Dasuya, on September 30<sup>th</sup>, 2014.
17. **Prof. Mohit K. Sharma** presented a paper titled **Network Security and Cryptography** in two days International Conference on Future and Challenges of Computational and Integrated Sciences at H.M.V. College, Jalandhar, from November 7<sup>th</sup> – 8<sup>th</sup>, 2014.
18. **Prof. Mohit K. Sharma** presented a paper titled **Gandhian Ideology on Peace** in UGC Sponsored One Day International Conference on Peace, Terror and United Nations: Structuring Gandhian principles in the Age of Extreme at J.C. D.A.V. College, Dasuya, on January 31<sup>th</sup>, 2015.
19. **Prof. Tnu Mahajan** presented a paper titled **Correlation Study & Regression Analysis of Drinking Water Quality in Doaba Region of Punjab** at International conference on recent trends in mathematical modeling and statistical analysis held at JCDAV College, Dasuya on September 30, 2014.
20. **Prof. Tnu Mahajan** presented a paper titled **Gandhian & Peace** in UGC Sponsored One Day International Conference on Peace, Terror and United Nations: Structuring Gandhian principles in the Age of Extreme at J.C. D.A.V. College, Dasuya, on January 31<sup>th</sup>, 2015.
21. **Prof. Rakesh Kumar** presented a paper titled **Teaching of Mathematics** in an international conference on Emerging Areas of Mathematics for Science & Technology at Deptt. of Mathematics, Punjabi University Patiala from 30 January to 1 February 2015.

## **PAPERS PRESENTED IN NATIONAL LEVEL CONFERENCE/ SEMINAR**

1. **Dr. Bhanu Gupta** presented a paper titled **Dynamics of Fisheries Resource Model with Reserve Area and Modified Effort Function** in DAV National Congress on Science, Technology & Management organized by DAVIET Jalandhar from November 7-8, 2014.
2. **Prof. Amit Sharma** presented a paper titled **Holling Type- IV Functional Response in a Prey-Predator Model with Harvesting** in DAV National Congress on Science, Technology & Management organized by DAVIET Jalandhar from November 7-8, 2014.
3. **Prof. Amit Sharma and Dr. Bhanu Gupta** presented a paper titled **Roll of Simulation in Studing Real World Problems** in National Conference on Recent

- Trends in computer and communication technology organized by JCDAV College, Dasuya on February 21, 2015.
4. **Prof. Amit Sharma and Dr. Bhanu Gupta** presented a paper titled **Dynamics of Supplying Alternative Food in Prey-Predator Model with Mixed Functional Response and Harvesting** in National Conference on Emerging Challenges in physics & nano science organized by JCDAV College, Dasuya on March 4, 2015.
  5. **Prof. Amit Sharma and Dr. Bhanu Gupta** presented a paper titled **Mathematical Study of Hybrid Approach for Pest Control with Impulsive Releasing of Natural Enemies and Chemical Pesticides** in UGC Sponsored National Conference on Organic farming- need of the hour organized by JCDAV College, Dasuya on March 11, 2015.
  6. **Dr. Anil Kumar** presented a paper titled **Reducing Uncertainty in Position Space** at DAV National Congress on Science, Tech. & Management organized by DAV IET Jalandhar from 7-8<sup>th</sup> Nov. 2014.
  7. **Dr. Anil Kumar** presented a paper titled **Position Space Information Density at Emerging Challenges in Physics and Nanoscience** organized by JCDAV College, Dasuya on 4<sup>th</sup> March, 2015.
  8. **Dr. Anil Kumar** presented a paper titled **Nuclear Technology in Farming at Organic Farming- Need of the Hour** organized by JCDAV College, Dasuya on 11<sup>th</sup> March 2015.
  9. **Prof. Deepak Saini** presented a paper titled **Effect of Environment Pollution on Coming Generation** in National Conference on Science Colloquium- Emerging trend in basic & Applied Science at D.A.V. College Jalandhar, from 6-7 March 2014.
  10. **Prof. Deepak Saini** presented a paper titled **Renewable Source of Energy: A Future Perspective** in National Conference on Renewable Energy Sources at Universal Institute of Engineering & Technology, Lalru on 29 October 2014.
  11. **Prof. Deepak Saini** presented a paper titled **In Vitro Antimicrobial Activity of Nano Particle Against Salmonella Typhii** in National Conference/ Seminar on Emerging challenges in Physics & Nano Science at J.C.D.A.V. College Dasuya on 27 March 2015.
  12. **Prof. Deepak Saini** presented a paper titled **Effect of Pesticide on Human Health** in National Conference/ Seminar on Organic Farming – Need of the Hour at J.C.D.A.V. College Dasuya on 11 March 2015.
  13. **Prof. Deepak Saini** presented a paper titled **Role of Computer Modelling in Biology** in National Conference on Recent Trends in Computer & Communication at J.C.D.A.V. College Dasuya on 21 March 2015.
  14. **Prof. Deepak Saini** presented a paper titled **Dr Ambedkar & Casteism** in National Conference on Society, Polity, Economy, & Religion: Dr B.R. Ambedkar & His Visionary Thoughts at J.C.D.A.V. College Dasuya on 27 March 2015.
  15. **Prof. Jagdeep Singh** presented a paper titled **A Review on Cloud Computing: Design Challenges in Architecture** in two days National Conference on Recent Trends in Cloud Computing & Communication organized by Department of computer Science & Electronics Engineering, GNDU Regional Campus, Gurdaspura from February 7 & 8, 2014.

16. **Prof. Jagdeep Singh** presented a paper titled **Health Care with Cloud Computing** in one day National Conference on Upcoming Trends in IT organized by the Post graduate Department of Computer Science, Shanti Devi Arya Mahila College, Dinanagar, on February 14, 2015.
17. **Prof. Jagdeep Singh** presented a paper titled **Nano Technology & Its Impact on Computer** in one day National Conference on Emerging Challenges in Physics & Nano Science organized by Post graduate Department of Physics, JC DAV College, Dasuya on March 4, 2015.
18. **Prof. Jagdeep Singh** presented a paper titled **Electronic Waste Management in the Era of Information Technology** in one day National Conference on Methodologies for Recycling: The need of The Hour organized by Department of Chemistry, RR Bawa DAV College for Girls, Batala, on April 27, 2015.
19. **Prof. Kamal Mehta** presented paper titled **Vermiwash: A Plant Growth Regulator** in one day UGC Sponsored National Seminar on Organic Farming-Need of the hour organized by UGC Community College and PG Department of Zoology, JCDAV College, Dasuya on March 11, 2015.
20. **Prof. Rajesh Kumar** presented a paper titled **Utilization of ZnO Nanomaterials as Photocatalyst for Sonophotocatalytic Degradation of Congo Red Dye** in DAV National Congress on Science-Technology and Management held at DAVIET, Jalandhar from 7-8<sup>th</sup> Nov, 2014.
21. **Prof. Rajesh Kumar** presented a paper titled **Facile and Rapid Synthesis and Characterization of Bi<sub>2</sub>O<sub>3</sub> Nanoparticle through Solution Combustion Method** in National conference in Emerging challenges in physics and nanoscience held at JCDAV College, Dasuya on March 4, 2015.
22. **Prof. Rajesh Kumar** presented a paper titled **An Efficient Alternative to Chemical Fertilizers in Reviving the Soil Fertility** in National seminar on Organic farming- a need of the hour held at JCDAV College, Dasuya, on March 11, 2015.
23. **Dr. Girish Kumar** presented a paper titled **Applications of ZnO Nanomaterials in Sonophotocatalytic Degradation of Direct Red Dye New Vistas in Chemical Sciences** in conference organized by DAV College Hoshiarpur on 15 Nov 2014.
24. **Dr. Girish Kumar** presented a paper titled **Preparation and Characterization of SnO<sub>2</sub> Nanoparticles by Simple Solution Combustion Route** in Emerging challenges in physics and nanoscience at JCDAV College Dasuya on 4<sup>th</sup> March, 2015.
25. **Prof. Deepak Kumar** presented a paper titled **Decreasing Population of Passer Domesticus in Punjab** in Celebration of International day for biological Diversity-2014 organised by Deptt. of Zoology and Environmental sciences, Punjabi Univ., Patiala on 28-5-2014.
26. **Prof. Deepak Kumar** presented a paper titled **Reliability, Stability and Safety of Renewable Source of Energy** in National Seminar on Renewable Energy Sources organised by Universal Institute of Engineering & Technology, Lalru on 29-10-2014.
27. **Prof. Deepak Kumar** presented a paper titled **Use of Information Technology in Human Health and Environment in Recent Trends in Computer and Communication Technology** conference organised by P. G. Deptt. Of Computer

- Sciences, JCDAV College, Dasuya on 21-02-2015.
28. **Prof. Deepak Kumar** presented a paper titled **Role of Zero Valent Iron Nanoparticle to Control Environmental Pollution in Emerging Challenges in Physics & Nano Science** conference organised by P. G. Deptt. of Physics at JCDAV College, Dasuya on 04-03-2015.
  29. **Dr. Rajesh Kumar** presented a paper in UGC Sponsored one-day National seminar on **Organic Farming Need of the Hour** organized by community college and PG Deptt. of Zoology, JCDAV College Dasuya on 11, March 2015.
  30. **Dr. Rajesh Kumar** presented a paper in National Conference on **Emerging Challenges in Physics and Nano Science** organized by PG Deptt. of Physics, JCDAV College Dasuya on 4, March 2015.
  31. **Dr. Rajesh Kumar** presented a paper in **DAV National Congress on Science, Technology and Management** organized by D.A.V. Institute of Engineering & Technology Jalandhar, Punjab held from 7-8, November 2014.
  32. **Dr. Vinay Kumar** presented a paper titled **Understanding Dr. Ambedkar in the Light of Humanism** in National Conference on Relevance and Implication of Dr. Ambedkar's Philosophy Today at DAV College, Amritsar on 27<sup>th</sup> September, 2014.
  33. **Dr. Vinay Kumar** presented a paper titled **Caste System and Punjabi Social Order: A Historical Analysis** in National Conference on Second South Asian History at Panjabi University, Patiala from 17<sup>th</sup> to 19<sup>th</sup> October, 2014.
  34. **Dr. Vinay Kumar** presented a paper titled **Partition of Punjab and Depressed Classes** in National conference on Partition and Punjab at Layallpur Khalsa College for Women, Jalandhar from 7<sup>th</sup> and 8<sup>th</sup> November 2014.
  35. **Dr. Vinay Kumar** presented a paper titled **Mahatma Gandhi, Non-Violence and Ideal State** in National conference on Relevance of Gandhian Thought in the Contemporary Era at DAV College, Abohar on 21<sup>st</sup> November, 2014.
  36. **Dr. Vinay Kumar** presented a paper titled **Dalit Consciousness in Colonial Punjab: A Study of Ad Dharm Movement** in National conference at JNU, New Delhi from 28<sup>th</sup> to 30<sup>th</sup> December, 2014.
  37. **Dr. Vinay Kumar** presented a paper titled **Recent Trends in Computer and Communication Technology** in National conference on Use of Internet while studying Social Science: An Evaluation at JC DAV College, Dasuya on 21<sup>st</sup> February, 2015.
  38. **Dr. Vinay Kumar** presented a paper titled **Challenges to Law and Order Administration in North-Western Region of Indian** in National conference on Caste Conflict and Laws and Order Issue at National College for Women, Ludhiana on 26<sup>th</sup> February, 2015.
  39. **Dr. Vinay Kumar** presented a paper titled **Historical Analysis of Dalit Assertion in Colonial Punjab: Babu Mangoo Ram and His Contribution** in National conference on 47<sup>th</sup> Session of Punjab History at Panjabi University, Patiala from 27<sup>th</sup> February to 1<sup>st</sup> March, 2015.
  40. **Dr. Vinay Kumar** presented a paper titled **Ambedkarism and its Contemporary Relevance** in National Conference on Relevance of Dr. Ambedkar's Thoughts in Modern Era at S.L. Bawa DAV College, Batala on 21<sup>st</sup> March, 2015.

41. **Dr. Vinay Kumar** presented a paper titled **Human Rights Education: Indian Concept** is presented in National conference on Need of Human Rights Education in India at R.K. Arya College, Nawanshahr on 30<sup>th</sup> March, 2015.
42. **Dr. Jaypinder Kaur Roop** presented a paper at National Seminar on Renewable Energy Sources organized by Universal Institute of Engineering and Technology, Lalru on October 29, 2014.
43. **Dr. Jaypinder Kaur Roop** presented a paper at National Conference on Emerging Challenges in Physics and Nano Science organized by Post-graduate Department of Physics, Jagdish Chandra DAV College Dasuya on March 04, 2015.
44. **Dr. Jaypinder Kaur Roop** presented a paper at UGC Sponsored One-Day National Seminar on Organic Farming- Need of the Hour Organized by Community College and Post-graduate Department of Zoology, Jagdish Chandra DAV College, Dasuya on March 11, 2015.
45. **Prof. Mohit K. Sharma** presented a paper titled **Wireless Networking in One Day UGC sponsored National Seminar on Upcoming trends in I.T. at SDAM College, Dinanagar (Punjab), on Feb. 14, 2015.**
46. **Prof. Mohit K. Sharma** presented a paper titled **Mobile Adhoc Networks in One Day UGC sponsored National Seminar on Wireless and Mobile Communication Networks at SD College for Women, Jalandhar on April 11, 2015.**
47. **Prof. Mohit K. Sharma** presented a paper titled **A Role of I.T. in Promoting Organic Farming** in UGC Sponsored One Day National Seminar on Organic Farming – Need of the Hour at J.C. D.A.V. College, Dasuya on March 11, 2015.
48. **Prof. Mohit K. Sharma** presented a paper titled **Computational Physics with Computers** in One day National Conference on Emerging Challenges in Physics & Nano Science at J.C. D.A.V. College, Dasuya on March 04, 2015.
49. **Prof. Mohit K. Sharma** presented a paper titled **Society and Caste Today** in UGC Sponsored one day National Conference on Society, Policy, Economy and religions: Dr. B.R. Ambedkar and His visionary thoughts at J.C. D.A.V. College, Dasuya on March 27<sup>th</sup>, 2015.
50. **Prof. Sital Singh** presented a paper titled in **Gurbani Da Mahatav, Madhkal, Adhunik ate Uttar Adhunik Paripekh** in one day National Seminar at MG Khalsa College, Kartarpur on 17-01-2015.
51. **Prof. Sital Singh** presented a paper titled in **Relevance of Philosophy of Guru Ravidass in the Era of Globalization** in one day National Seminar on at RR Bawa DAV College, Batala on 18-04-2015.
52. **Sh. Tarsem Lal (Librarian)** presented a paper on **E-services for Mathematics Profession** in Panjab University Sponsored One Day International Conference on Recent Trends in Mathematical Modeling and Statistical Analysis at J.C. D.A.V. College, Dasuya on September 30<sup>th</sup>, 2014.
53. **Sh. Tarsem Lal (Librarian)** presented a paper on **Gandhian Ideology of Non-Violence** in UGC Sponsored One Day International Conference on Peace, Terror and United Nations: structuring Gandhian principles in the Age of Extreme at J.C. D.A.V. College, Dasuya on January 31<sup>th</sup>, 2015.

54. **Sh. Tarsem Lal (Librarian)** presented a paper on **Impact of Thoughts of Dr. B.R. Ambedkar on Youths** in UGC Sponsored One Day National Conference on Society, Policy, Economy and religions: Dr. B.R.Ambedkar and His visionary thoughts at J.C. D.A.V. College, Dasuya on March 27<sup>th</sup>, 2015.
55. **Sh. Tarsem Lal (Librarian)** presented a paper on **Dr. Ambedkar's Life and Ideology** in UGC Sponsored One Day National Conference on Significance of Dr. B.R.Ambedkar's Ideology in Contemporary Punjab by Dr. Ambedkar Studies Centre & PG Department of History at J.C. D.A.V. College, Dasuya on March 20<sup>th</sup>, 2014.
56. **Prof. Tnu Mahajan** presented a paper titled **Assessment of Drinking Water Quality: A case study of Doaba Region Punjab** in DAV National Congress on Science, Technology & Management organized by DAVIET Jalandhar on November 7-8, 2014.
57. **Prof. Tnu Mahajan** presented a paper titled **Eco Friendly Practices for Sustainable Growth in Farming** in UGC Sponsored One Day National Seminar on Organic Farming – Need of the Hour at J.C. D.A.V. College, Dasuya on March 11, 2015.
58. **Prof. Tnu Mahajan** presented a paper in UGC Sponsored One Day National Conference on Advances in Agricultural Sciences & Biotechnology at D.A.V. College, Jalandhar on 28Feb. 2015.
59. **Prof. Tnu Mahajan** presented a poster on **Environmentally Friendly Practices: A Case Study** in Jalandhar in 18<sup>th</sup> Punjab Science Congress at Desh Bhagat University, Mandi Gobindgarh from February 7-9, 2015.
60. **Prof. Rakesh Kumar** presented a paper on titled **Assessment of Drinking Water Quality: A Case Study of Doaba Region, Punjab India** DAV National Congress on Science, Technology and Management at DAVIET from November 7-8, 2014.
61. **Prof. Rakesh Kumar** presented a paper on titled **Algorithm and Complexity** in one day National conference on Recent Trends in Computer and Communication Technology at JC DAV College, Dasuya on 21<sup>st</sup> February, 2015.
62. **Prof. Rakesh Kumar** presented paper titled **Role of zero Valent Iron Nano Particle to Control the Environment Pollution** in one day UGC Sponsored National Conference on Emerging trends in Physics and Nanosciences 2015 organized by PG Department of Physics, JCDAV College, Dasuya on March 04, 2015.

## **Annexure V**

### **FACULTY ATTENDED REFRESHER COURSES**

1. **Dr. Jaypinder Kaur Roop** participated in UGC Sponsored Refresher Course in the subject **Disaster Management**, at Guru Nanak Dev University, Amritsar from 17/11/2014 to 08/12/2014.
2. **Prof. Rajesh Kumar** participated in Refresher Course in the subject **Disaster Management** from 17/11/2014 to 08/12/2014 at ASC, G.N.D.U. Amritsar.
3. **Prof. Onkar Singh** participated in refresher course in **Experimental Physics** at IAS Bangalore from 01/12/14 to 15/12/14.

4. **Dr. Girish Kumar** participated in Refresher Course in the subject **Disaster Management** at ASC, HPU Shimla from 8/09/2014 to 27/09/2014.

#### **FACULTY ATTENDED ORIENTATION COURSES**

1. **Prof. Deepak Kumar** attended Orientation Programme at Punjabi University Patiala from 01/12/2014 to 27/12/2014.

#### **FACULTY ATTENDED WINTER/ SUMMER SCHOOL**

1. **Prof. Mohit K. Sharma** participated in Summer School (Science and Society) organized by UGC HRDC at Kumaun University, Nainital from 09-06-2015 to 29-06-2015.
2. **Sh. Tarsem Lal (Librarian)** participated in Summer School (Science and Society) organized by UGC HRDC at Kumaun University, Nainital from 09-06-2015 to 29-06-2015.

#### **FACULTY ATTENDED SHORT TERM COURSES**

1. **Prof. Kamal Mehta** participated in one week short term course/Workshop on **Use of Software Technology** at ASC, GNDU-Amritsar from Jan.16- 22, 2015.
2. **Dr. Vinay Kumar** attended one week short term course on **Meeting Mid Career Challenges in Academic Profession** at Academic Staff College, Panjab University, Chandigarh from 17/09/2014 to 23/09/2014.
3. **Prof. Rakesh Kumar** participated in seven days short term course on **Meeting Mid Career Challenges in Academic Profession** organized by ASC, Punjab University Chandigarh from 17/09/2014 to 23/09/2014.

## Criterion – III

### 3. Research, Consultancy and Extension

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

1. Framed research monitoring and proposal assessment committee.
2. Motivated staff members to apply for research projects and to organise research related programmes in the college.

#### 3.2 Details regarding major projects

	Completed	Ongoing	Sanctioned	Submitted
Number	-	2	-	-
Outlay in Rs. Lakhs	-	Rs. 497637/-	-	-

#### 3.3 Details regarding minor projects

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

#### 3.4 Details on research publications

	International	National	Others
Peer Review Journals	19	--	--
Non-Peer Review Journals	--	--	--
e-Journals	01	--	--
Conference proceedings	--	--	--

### Annexure VI

#### 3.5 Details on Impact factor of publications:

Range  Average  h-index  Nos. in SCOPUS

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

Nature of the Project	Duration Year	Name of the funding Agency	Total grant sanctioned	Received
-----------------------	---------------	----------------------------	------------------------	----------



Major projects	2014-15	UGC	13,38,000/-	500000/-
Minor Projects	2014-15	UGC	6,75,000/-	192000/-
Interdisciplinary Projects	-	-	-	-
Industry sponsored	-	-	-	-
Projects sponsored by the University/ College	-	-	-	-
Students research projects (other than compulsory by the University)	-	-	-	-
Comunity College	2014-15	UGC	38,40,000/-	16,95000/-
Total			58,53,000/-	23,87,000/-

3.7 No. of books published i) With ISBN No.  Chapters in Edited Books

ii) Without ISBN No.

#### Annexure VII

3.8 No. of University Departments receiving funds from

UGC-SAP  CAS  DST-FIST   
DPE  DBT Scheme/funds

3.9 For colleges  
Autonomy  CPE  DBT Star Scheme   
INSPIRE  CE  Any Other (Community College)

3.10 Revenue generated through consultancy

3.11 No. of conferences organized by the Institution

Level	International	National	State	University	College
Number	02	04	--	--	--
Sponsoring agencies	UGC/ Punjab University	UGC/ College Own Resources	--	--	--

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	Applied	NIL
	Granted	NIL
International	Applied	NIL
	Granted	NIL
Commercialised	Applied	NIL
	Granted	NIL

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
NIL						

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 Institution

3.20 No. of Research scholars receiving the Fellowships (Newly enrolled + existing ones)

JRF  SRF  Project Fellows  Any other

3.21 No. of students participated in NSS events:

University level  State level   
 National level  International level

3.22 No. of students participated in NCC events: 105

University level  State level

National level  International level

3.23 No. of Awards won in NSS: NIL

University level  State level   
National level  International level

3.24 No. of Awards won in NCC: 01

University level  State level   
National level  International level

3.25 No. of Extension activities organized

University forum	<input type="text" value="12"/>	College forum	<input type="text" value="20"/>		
NCC	<input type="text" value="04"/>	NSS	<input type="text" value="07"/>	Any other	<input type="text" value="01"/>

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

- Tree Plantation program was organised by NCC during August 2014.
- Aid Awareness program was organised by NSS on 22-08-2014.
- Seminar was organised on Aid Awareness and Drug addiction in collaboration with Pushpa Gujral Science City, Kapurthala on 22/09/14.
- Blood Donation Camp was organised in collaboration with HDFC bank on 10/11/2014.
- Free consultancy regarding Lab. Tests was provided to the people of local area in collaboration Devinder Clinical Lab.
- Polythene free campaign was launched in the college and students were encouraged to promote it in their houses and towns/villages.
- Literacy drive was launched to educate house wives.

## ANNEXURE-VI

### **Research Papers Published in Peer Reviewed International Journals**

1. **Prof. Amit Sharma and Dr. Bhanu Gupta** published a paper titled **Harvesting Model for Fishery Resource with Reserve Area and Bird Predator** in Journal of Marine Biology, Vol. 2014, Article ID 218451, 7 pages ISSN: 1687-949X (Online).
2. **Prof. Rajesh Kumar and Dr. Girish Kumar** with Ahmad Umar published a paper titled **Zinc Oxide Nanomaterials for Photocatalytic Degradation of Methyl Orange: A Review**, Nanoscience and Nanotechnology Letters, 6 (8) August, 631–650 (2014).
3. **Dr. Girish Kumar and Prof. Rajesh Kumar** with Sang Woon Hwang, and Ahmad Umar published a paper titled **Photocatalytic Degradation of Direct Red-23 Dye with ZnO Nanoparticles**, in Journal of Nanoscience and Nanotechnol. 14, 7161-7166 (2014).
4. **Prof. Rajesh Kumar and Dr. Girish Kumar** with Ahmad Umar published a paper titled **Pulse Laser Deposited Nanostructured ZnO Thin Films: A Review** in Journal of Nanoscience and Nanotechnol, 14, 1911-1930 (2014).
5. **Prof. Rajesh Kumar and Dr. Girish Kumar** with O. Al-Dossary, and Ahmad Umar published a paper titled **ZnO Thin Films: Depositions, Properties and Applications-A Review**, in the Mater. Express 5 (1) Feb., 3-23 (2015).
6. **Prof. Rajesh Kumar and Dr. Girish Kumar** with O. Al-Dossary and Ahmad Umar published a paper titled **Zinc Oxide Nanostructures for NO<sub>2</sub> Gas-Sensor Applications: A Review**. Nano Micro Letters April 7 (2), 97-120 (2015).
7. **Prof. Rajesh Kumar and Dr. Girish Kumar** with Ahmad Umar and M.S. Akhtar published a paper titled **Sonophotocatalytic Degradation of Methyl Orange Using ZnO Nano-Aggregates**, Journal of Alloys and Compounds, April 629, 167–172 (2015).
8. **Prof. Rajesh Kumar** with Samriti Khosla, Suman Lal, Nitin Sood, S.K. Tripathi published a paper titled **Doped Polyaniline/ZnO Nanocomposites: Preparation, Characterization and Dielectric Properties**, in Journal of Information Display 16 (1), 49-55 (2015).
9. **Prof. Deepak Kumar** published a paper on **Analysis of Free Amino Acids in Different Male Morphs of Callosobruchus Analis** in International Journal of Science and Research, Volume 4 Issue 4, April 2015.
10. **Prof. Deepak Saini** published a paper - **Diversity & Foraging Behaviour of Insect Pollinators on Some Forest Trees in Kandi Area, Distt. Gurdaspur, Punjab, India** in IJST Journal Volume II, Issue VII, July, 2014.
11. **Prof. Deepak Saini** published a paper **Chromosomal Aberrations in Polytene Chromosome of Anopheles Stephensi** in the IJST, Volume II, Issue VIII, August 2014.
12. **Prof. Deepak Saini** published a paper- **Chromatographic Analysis of Free Amino Acid of Acrida Luqubris: A Giqantia and Chrotogonus Trachypterus** in The IJST Journal, Volume II, Issue XIII, December, 2014.
13. **Prof. Rakesh Thakur** with Jindal R. published a paper on **Hydrobiology and Productivity of Kuntbhyog Lake in District Mandi, Himachal Pradesh**, In International Journal of Environmental Engineering Vol. 6, (4), 449-459, 2014.

14. **Prof. Rakesh Thakur** with Jindal R, Uday Bhan Singh and A. S. Ahluwalia published a paper on **Phytoplankton Dynamics and Water Quality of Prashar Lake, Himachal Pradesh**, in India Sustainability of Water Quality and Ecology, Volumes 3–4, 101–113, 2014.
15. **Dr. Jaypinder Kaur Roop** published a paper titled **Antifertility and Anti-Implantation Activity of Methanol Fraction of Melia Azedarach Linn Seed Extract in Female Albino Rats** in International Journal of Science and Research (IJSR), Vol. 4(5): 2015, 548-552.
16. **Dr. Jaypinder Kaur Roop** published a paper titled **Effect of Fractions of Azadirachta Indica A. Juss Seed Extract on Reproduction in Female Albino Rats** in Indo-American Journal of Pharmaceutical Research, Vol. 5(5): 2015, 2143-2150.
17. **Dr. Jaypinder Kaur Roop** published a paper titled **Effect of Melia Azedarach Linn Seed Extract on Estrous Cycle and Reproductive Performance in Female Rats** in International Journal of Pharm Tech Research, Vol. 8(2): 2015, 273-279.
18. **Prof. Kamal Mehta** published a paper on **Birds Biodiversity and Conservation Status of Keshopur Community Reserve , Gurdaspur , Punjab** in International Journal of Science and Research (IJSR) Vol. 3 issue 12, Dec. 2014 With impact factor 3.358 and ISSN no. 2319-7064.
19. **Prof. Kamal Mehta** published a paper titled **Prevalence of Nutritional Anaemia in College Students and its Correlation with their Body Mass Index** in reviewed & indexed International Journal of Science And Research (IJSR) in Vol. 4 issue 3, March 2015 With impact factor 4.438 and ISSN no. 2319-7064.
20. **Prof. Tnu Mahajan** published a paper titled **Drinking Water Quality Assessment in Kala Bahian Region, Jalandhar, Punjab** in Oirj Journal, Vol.5, Issue No. III (May-June) 2015.

## ANNEXURE-VII

### BOOKS PUBLISHED

1. **Dr. Bhanu Gupta** published a book titled **Elements of Probability and Mathematical Statistics Volume-I** from Sharma publications, Jalandhar with ISBN No. 9879384367299.
2. **Dr. Vinay Kumar** published an edited book titled **Dr. B.R. Ambedkar's Ideology and its Contemporary Relevance-I** from Twenty First Century Publications, Patiala with ISBN No. 9788189463526.

### BOOK CHAPTERS PUBLISHED

1. **Dr. Vinay Kumar** published a chapter entitled **Gandhi Darshan Me Adarsh Samajtha Iskke Niyam** is in **Mahatma Gandhi Ka Satya Avom Ahinsa Darshan**, Edited by Dr. Vinay Sophat (Ed.) published by Twenty First Century Publications, Patiala with ISBN No. 9789380144658.
2. **Dr. Vinay Kumar** published a chapter entitled **Historical Perspective of Human Rights** in **Human Rights Freedom and Violation** Edited by Suman Gupta published by **Twenty First Century Publications**, Patiala with ISBN No. 9788189463304.
3. **Prof. Rajesh Kumar and Dr. Girish Kumar** with Ahmad Umar published a chapter **Physical Vapor Deposition of ZnO Nanostructured Thin Films: Properties and Applications** in Encyclopaedia of Semiconductor Nanotechnology, Volume-5, Chapter-12 published by American Scientific Publishers.
4. **Prof. Rajesh Kumar and Dr. Girish Kumar** with Ahmad Umar and M. S. Akhtar published a chapter titled **Applications of ZnO Nanomaterials for Dye-Sensitized Solar Cells and Environmental Remediation** in Encyclopaedia of Semiconductor Nanotechnology, Volume-1, Chapter-12 published by American Scientific Publishers.
5. **Prof. Rakesh Kumar** published a chapter in a book titled Algebra & Trigonometry for B.A/ B.Sc.-I (Semester I) published by First World Publications, Jalandhar.
6. **Prof. Rakesh Kumar** published a chapter in Theory of Equations for B.A/ B.Sc.-I (Semester II) published by First World Publications, Jalandhar.
7. **Prof. Rakesh Kumar** published a chapter in Advanced Calculus for B.A/ B.Sc.-I (Semester I) published by First World Publications, Jalandhar.
8. **Prof. Rakesh Kumar** published a chapter in Analysis for B.A/ B.Sc.-III published by First World Publications, Jalandhar.

## Criterion – IV

### 4. Infrastructure and Learning Resources

#### 4.1 Details of increase in infrastructure facilities:

Facilities	Existing	Newly created	Source of Fund	Total
Campus area	10 Acres	--	--	10 Acres
Class rooms	37	00	-	37
Laboratories	23	01	Resources Created by College	24
Seminar Halls	--	--	--	--
No. of important equipments purchased ( $\geq 1$ -0 lakh) during the current year.	--	--	--	--
Value of the equipment purchased during the year (Rs. in Lakhs)	--	--	--	--
Others	--	--	--	--

#### 4.2 Computerization of administration and library

Semi- automated Library and Administrative Office

#### 4.3 Library services:

	Existing		Newly added		Total	
	No.	Value	No.	Value	No.	Value
Text Books	7815	511537	403	167881	8218	679418
Reference Books	7384	223096	109	32332	7493	255428
e-Books	NLIST provides access to 97000 e- books.					
Journals					27	40375
e-Journals						
Digital Database						
CD & Video	230	Gifted	--	--	230	Nil
Others (specify)						

#### 4.4 Technology up gradation (overall)

	Total Computers	Computer Labs	Internet	Browsing Centres	Computer Centres	Office	Departments	Others

Existing	193	07 labs with networking, facility of multimedia Projector.	09 Teaching department and Library have facilities of Internet connection	02 Browsing Centres with the facility of Printer and Scanner	0	Semi-Computerized	09 Teaching Departments have facilities of Computers and Internet connection	Networking Resource Center, career counselling cell and Gandhian and Ambedkar study centres have facility of internet.
Added	2	--	--	--	--		--	
Total	195	07	09	02	0		09	

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

The Department of Computer Science & IT organizes annual workshops for the staff, both teaching and non-teaching, of the college to upgrade their soft skills and provides need based regular guidance to them. Also internet access is available to all the teaching departments. There are dedicated browsing centres for the students in the computer lab and library. The administrative office and accounts office are semi-automated.

4.6 Amount spent on maintenance in lakhs :

i) ICT	2.81
ii) Campus Infrastructure and facilities	4.33
iii) Equipments	0.70
iv) Others	9.60
<b>Total :</b>	<b>17.44</b>



## Criterion – V

### 5. Student Support and Progression

#### 5.1 Contribution of IQAC in enhancing awareness about Student Support Services

Various teacher incharges of different support services on the recommendations of IQAC organize mentoring sessions and class room visits to enhance student awareness about support services. NCC /NSS Officers make the students aware about benefits of joining NCC/NSS and motivate them to join through clsroom visits. Student Help Desk organizes mentoring sessions at the beginning of the session about rules and regulations of College /University and various Student Support Services. Dean EMA organizes Talent Hunt Programme for the various cultural events for the students in the month of August/September to give a chance to the students to come out with their talent, participate in the event and finally get short listed in various teams who are to participate in various cultural competitions at Zonal/University and Inter university level.

#### 5.2 Efforts made by the institution for tracking the progression

The college makes earnest effort at every level through counselling and advertisement to ensure that maximum students may get benefit from the Support Services offered by the college.

#### 5.3 (a) Total Number of students

UG	PG	Ph. D.	Others
1607	574	-	-

#### (b) No. of students outside the state

90
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#### (c) No. of international students

NIL
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Men	No	%	Women	No	%
	970	44.47		1211	55.53

Last Year						This Year					
General	SC	ST	OBC	Physically Challenged	Total	General	SC	ST	OBC	Physically Challenged	Total
1423	333	-	345	-	2101	1533	325	-	323	-	2181

**Demand ratio** Varies from class to class

**Dropout %** 1.97%

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

Coaching for competitive examination is organized by Gandhian and Ambedkar study centres.

No. of students beneficiaries

12

#### 5.5 No. of students qualified in these examinations

NET  SET/SLET  GATE  CAT   
IAS/IPS etc  State PSC  UPSC  Others

#### 5.6 Details of student counselling and career guidance

Career guidance and counselling is provided by the Placement Cell to the final year students of various programmes.

No. of students benefitted

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#### 5.7 Details of campus placement

<i>On campus</i>			<i>Off Campus</i>
Number of Organizations Visited	Number of Students Participated	Number of Students Placed	Number of Students Placed
NIL	NIL	NIL	22

#### 5.8 Details of gender sensitization programmes

A lecture on Dowry System was organised by IQAC.

#### 5.9 Students Activities

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

State/ University level  National level  International level

No. of students participated in cultural events

State/ University level  National level  International level

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

Sports: State/ University level  National level  International level

Cultural: State/ University level  National level  International level

5.10 Scholarships and Financial Support

	Number of students	Amount
Financial support from institution	203	4,75,000/-
Financial support from government	152	Directly sent to students bank account.
Financial support from other sources	NIL	NIL
Number of students who received International/ National recognitions	NIL	NIL

5.11 Student organised / initiatives

Fairs : State/ University level  National level  International level

Exhibition: State/ University level  National level  International level

5.12 No. of social initiatives undertaken by the students

5.13 Major grievances of students (if any) redressed: NIL

## Criterion – VI

### **6. Governance, Leadership and Management**

#### 6.1 State the Vision and Mission of the institution

##### **VISION**

21st century is an era of knowledge society. Knowledge and educated people are the resource of development. Society depends on institutions which create and disseminate knowledge and educate the people. Knowledge is imparted in higher educational institutions. Realizing this, the Arya Samajists of Dasuya town under the able guidance and leadership of Pt. Jagdish Chander Sharma, conceived a vision to empower the youth of this backward area through education to dispel ignorance and promote knowledge which is also one of the principles of Arya Samaj. The college came into existence in 1971 as a small sapling which the passage of time has grown into a blossoming garden. The vision of this upcoming institution of the backward kandi area is

- To make students professionally skilled, academically sound and vocationally trained to face the global challenges and to be economically self sufficient to earn for the sustenance of life.
- To provide an atmosphere for an all round personality development to the students. So that after completing their education, they may prove an asset for the modern and progressive society.
- To enable the youth to be a bridge between the extremes. i.e. individual and collective, traditional and modern, national and cosmopolitan realism.

##### **MISSION**

The mission is to convert the goals and the objectives into reality through constant sincere efforts, undertaking all projects and programs, facing all challenges, to enable the youth to be fully enlightened, empowered, skilled and a confident entity for the society and the nation.

- The college aims to blend the traditional Vedic Education with the modern technological advancement thus enabling the students to lead an exemplary life personifying the rich unique cultural, ethnic and global values enshrined in the rich heritage of India.
- In order to meet the emerging global needs, this college is developing as a leading science college of the area imparting advance education in all streams, especially science and information technology.

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

Yes, the college has a MIS in place using Email and telephone.

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

#### 6.3.1 Curriculum Development

Curriculum Development is undertaken by the affiliating University. The various teaching departments forward their inputs through the faculty members who are the members of board of studies of the University.

#### 6.3.2 Teaching and Learning

The college provide infrastructural and technical support to improve teaching learning process as required by various departments. Computer and internet facility is provided to every department of the college.

#### 6.3.3 Examination and Evaluation

The college follows the rules and regulations regarding examination and evaluation as per Panjab University, Chandigarh.

#### 6.3.4 Research and Development

The college administration actively and financially supports research and development by encouraging the faculty to participate/present papers in seminars / conference / workshops. The college also encourages various departments to organize research related events.

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

The college has semi-automated Library having a number of Journals, E-Journals, E-Books and Reference Books besides a large number of Text Books. It is open from 9.00 a.m. to 4.30 p.m.

All the teaching departments have internet access to augment the knowledge of the faculty members. All the faculty members are provided access to NLIST. All the science departments have well equipped laboratories.

The College Administrative Office and Accounts Office are also fully updated.

### 6.3.6 Human Resource Management

The College Administration has created a number of offices such as Office of the Registrar, Dean Examination, Bursar, Dean Building, Dean EMA, Secretary Staff Council, Dean Student welfare, teacher representative in Local Managing Committee. Senior teachers are appointed on these posts for a period of two years as per the criteria passed by staff council. This gives an exposure to the faculty members to gain valuable management experience. The college also appoints Girls Hostel Warden to take care of the requirements of girls hostel. All these offices facilitate the College Principal in smooth functioning of the college.

### 6.3.7 Faculty and Staff recruitment

Permanent faculty is recruited by DAV College Managing Committee, New Delhi after duly notifying the vacant posts in a number of national / regional newspapers as per the eligibility conditions laid down by UGC/University. The temporary faculty is recruited on adhoc basis at the college level after following the procedure laid down by the University.

### 6.3.8 Industry Interaction / Collaboration

The students of some science departments visit Industry/companies and university Laboratories as per the requirement of the curriculum or to complete their project work.

### 6.3.9 Admission of Students

Admission of students to M.Sc Physics, Chemistry and Zoology is made on the basis of entrance test conducted by affiliating Panjab university, Chandigarh and other post graduate courses (M.Sc Math and IT; M.A. English, Punjabi and History), B.Com, BCA, B.Sc (Bio-tech) is done purely on merit basis. Admission of students to BSc (Medical), BSc (Non-Medical), BA is open to the students satisfy minimum eligibility conditions.

### 6.4 Welfare schemes for

Teaching / Non teaching / Students	The medical facility is available in the College Health Centre to all the staff members, both teaching, non teaching and to all the students.  Moreover an arrangement in the nearby hospital is also made in case of emergency.
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6.5 Total corpus fund generated

Rs. 5,49,61,505/-

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	---	Yes	Staff Council of the college
Administrative	No	---	Yes	Principal, Vice-Principal and Registrar

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?

Semester system has been introduced in all the under-graduate and post-graduate programmes.

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

The University is helpful to the affiliated colleges interested in the status of autonomous institution.

6.11 Activities and support from the Alumni Association

A function of Alumni Association named Alumni meet is conducted every year to take suggestions to improve the functioning of the college. It also helps to strengthen the placement cell of the college.

#### 6.12 Activities and support from the Parent – Teacher Association

Regular feedback is obtained from the parents by the offices of Principal and College Registrar. Their views help the institution to improve teaching-learning - process and overall discipline in the college.

#### 6.13 Development programmes for support staff

The Support Staff is provided uniform and financial assistance in case of any emergency by the college.

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

- Polythene is banned within college campus.
- The use of cycles is promoted in order to decrease the air pollution. The students bringing cycles are provided free parking.
- Tree plantation function is organised from time to time to make the earth clean and green.



## Criterion – VII

### 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.

Post Graduate students of the college are provided passwords of access NLIST.  
Teachers after attending Refresher/Orientation course give presentation to staff.  
Practical training of language is imparted to the students of English in Language Lab.

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

As per the decision made in the meeting of IQAC, PG departments of Mathematics, Physics, Computer Science, Zoology in collaboration of Organic Farming and History in collaboration with Gandhian Studies Centre and Ambedkar Studies Centre organized national / international level Conferences to promote research and research related activities among faculty and post graduate students. On the advice of IQAC, Staff Counsel of the college created a post of Dean Students Welfare to take care of the problems related to students, if any. The infrastructure/facilities of Girls Hostel were also updated as per requirement. A number of new books were purchased in the Library.

The points/issues which were not yet fulfilled are taken forward for positive completion in the next year out of which some are subject to the approval of funds from UGC as applied.

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

#### Annexure-VIII

7.4 Contribution to environmental awareness / protection

Students of under-graduate classes study the subject of Environmental Studies. The department of NSS organizes seminars/rallies for environment protection. All this enlightens the students to make the environment clean.

7.5 Whether environmental audit was conducted? Yes  No

7.6 Any other relevant information the institution wishes to add. (for example SWOT Analysis)

<p><b>Swot Analysis</b></p> <p><b>Strength</b></p> <ul style="list-style-type: none"><li>▪ Experienced and dedicated staff</li><li>▪ Research oriented staff</li></ul> <p><b>Weakness</b></p> <ul style="list-style-type: none"><li>▪ Limited availability of the space and infrastructure</li><li>▪ Lack of funds</li><li>▪ Students from backward regions</li></ul> <p><b>Opportunity</b></p> <ul style="list-style-type: none"><li>▪ There is a good opportunity for the college to start UGC funded skilled development courses.</li><li>▪ There is great scope for the teachers to avail of UGC funded research projects.</li></ul> <p><b>Threat</b></p> <ul style="list-style-type: none"><li>▪ More and more students opting for professional colleges</li><li>▪ Threat from mushrooming of new institutions</li></ul>
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## 8. Plans of institution for next year

- |  |
|--|
| <ul style="list-style-type: none"><li>• To organise conferences and seminars and other research related activities.</li><li>• To introduce more smart class rooms in the college.</li><li>• To make smart ID cards of all the students of the college.</li><li>• To send LoI for next NAAC inspection.</li></ul> |
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## **Annexure-VIII**

The two best practices observed by the college are:

- **Decentralization of administration**
- **Autonomy to the teaching departments**

### **Decentralization of administration**

#### **Goal**

Administration has been completely decentralized in the college by the creation of following Secretariat offices:

- Registrar
- Dean Examination and Programming
- Bursar
- Dean EMA
- Dean Building

These offices are created in order to achieve the following objectives:

- (i) To make Principal free from his routine paper work and provide him ample time and energy to concentrate on formulating policies and strategies for the development of the institution
- (ii) To provide opportunity to the faculty members to have administrative experience and contribute their expertise in the working of the college.

#### **Context**

Administration in the college has been decentralized by the creation of above mentioned Secretariat and Non- Secretariat offices.

These posts have been created for a period of two years and any faculty member with at least two years of experience can apply for these posts and the appointment is made on the basis of rules passed by staff council of the college. These posts were created for democratic and transparent functioning of the college since most of the workload of the college administration has been divided into these offices.

These offices help the Principal to engage with various bodies like affiliating university regarding starting of new courses/ addition of new unit in a particular programme/ issues relating to faculty improvement programme/any other issue, DPI colleges (Punjab) regarding fixation of salaries of staff members and timely release of grants and UGC and other related research granting agencies for the submission of applications and release of grant for development of infrastructure, purchase of equipment for Science Labs and development of facilities for co-curricular and extra-curricular activities.

## **Practice**

**As regarding the functioning of this practice, the college undertakes the following action programmes:**

The college registrar discharges the following functions:-

- To organize orientation programme for new faculty members regarding polices of the institution.
- To organize mentoring programme for the students of first year / semester of all programmes
- To conduct college convocation and Prize Distribution Function.
- To address the queries of the students regarding any university work/attestation of documents/fee concession.
- Attestation of university examination form of the students.

The Bursar of the college helps the administration in formation of annual budget of the college and monitoring the outflow of funds.

Dean Building is responsible for construction /maintenance/ upkeep of infrastructure of the college. He is also responsible for providing uninterrupted power supply and safe drinking water in the college.

Dean Examination and Programming helps to frame time table of all the classes and is responsible for holding terminal/internal examination.

Dean EMA of the College organizes talent search programmes to explore co-curriculum potential of the students and conducts various cultural activities of the college. He also prepares the students for participation in youth festival at university / state / national level.

## **Evidence of Success**

This practice has helped the college as follows:-

- It has helped in providing effective and transparent administration
- It has provided faculty members to gain valuable administrative experience
- It has inculcated a sense of responsibility among the faculty members
- It has helped the faculty members to develop leadership quality
- It has helped the students in the redressal of their problems
- It has helped in maintenance of discipline in the college
- It has helped the Principal to devote his energy to more constructive works
- It has provided forum of office bearers to the Principle to hold consultations on policy matters/any emergent issue

## **Problems Encountered & Resources Required**

The practice of this policy did not encounter any significant problem, the minor problem encountered in this practice was distribution of duties in various offices and it has been well settled by the staff council.

Office bearers are paid nominal allowance of Rs. 400 to Rs.1000 per month. Hence not much of finance is involved in it.

## **Autonomy to the Teaching Departments**

### **Goal**

Complete autonomy is provided to the teaching departments in order to:

- Provide involvement of all the faculty members in the functioning of the college
- Evaluate workload and provide allocation of faculty members of the departments
- Hold departmental meetings to devise strategy to handle new curriculum
- Forward views of the members on any curriculum designing through their representative on the board of studies in their subject at the university
- Brief the HoD about the view of the members of the department on any policy matter to be discussed in staff council meeting
- Guide the new faculty members in improving their teaching learning process
- Appoint co-ordinators for each course/ programme
- Organize co-curricular activities of the departments

### **Context**

In the beginning, the departmental allocation and all issues concerning the teaching departments were decided by the Principal of the college. This led to a few favourable teachers being always allotted the main classes. This led to frustration and ill-will among the teachers. It was, therefore, decided that the allocation of the workload of all the faculty member be decided by the concerned HoD in consultation with other members of the departments in the departmental meetings. Also the various teaching departments have the liberty of organizing various curricular/co-curricular activities like seminar / conference / workshop.

### **Practices**

The implementation of this practice is observed as follows:

The HoD of each teaching department convenes a meeting of the department before the summer break to finalize allocation of the members of the department for the next academic session.

The various teaching departments assign the responsibility to different members of the department for the preparation of schedule of work for different programmes.

The various teaching departments finalize academic and co-academic calendar of the activities of their departments.

The class coordinators monitor the uniform completion of syllabus as per schedule of work

The departments also organize guest lectures / seminars /workshops for interaction with scholars of their subjects.

### **Evidence of Success**

This practice has helped the college as follows:-

- It provides equal opportunities to all the members of the departments in the allocation of work load since allocation is made on the basis of rules framed by the teaching departments
- It has helped in creative mutual trust among the members of the departments
- It has helped the Principal also to focus his energy more on developmental activities of the college and discuss only policy matters regarding working of the department with the HoDs
- It has inculcated a sense of responsibility among the members of the departments to work as a team to organize departmental activities like quiz contests/ guest lectures/workshops to improve teaching learning process

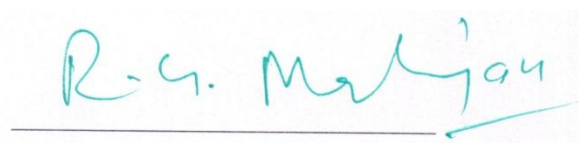
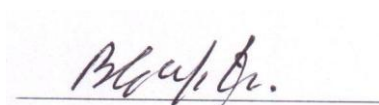
### **Problems Encountered & Resources Required**

Since this practice was introduced to democratize the functioning of the teaching departments, no major problems were observed in the implementation of this practice. But every policy has its own p's and q's. A few minor problems encountered in the implementation of this practice are as follows:-

- Since allocation is made as per the norms laid down by the department so no alternation can be made even if better options are available to teach particular subject
- Since decisions in the departments are made on the basis of majority so sometimes some teachers develop a partial behaviour towards some colleagues.

Name: Dr. Bhanu Gupta

Name: Dr. Rajesh K. Mahajan



Signature of the Coordinator, IQAC

Signature of the Chairperson, IQAC

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