

**2016-17**

# **ANNUAL QUALITY ASSURANCE REPORT**



**JAGDISH CHANDRA D.A.V. COLLEGE, DASUYA**

**(Distt. Hoshiarpur) Punjab**

# The Annual Quality Assurance Report (AQAR) of the IQAC 2016-17

## 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. Amardeep Gupta
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. MHCOGN 18879)

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1.4 NAAC Executive Committee No. & Date:

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

(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:

www.jcdavdasuya.com

Web-link of the AQAR:

www.jcdavdasuya.com/images/AQAR2016-17.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

2016-17

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

- i. AQAR 2015-16 submitted to NAAC on 28-11-2016
- ii. AQAR 2014-15 submitted to NAAC on 16-03-2016
- iii. AQAR 2013-14 submitted to NAAC on 26-08-2015
- iv. AQAR 2012-13 submitted to NAAC on 25-06-2015
- v. AQAR 2011-12 submitted to NAAC on 25-06-2015
- vi. 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

No

University with Potential for Excellence

--

UGC-CPE

--

DST Star Scheme

--

UGC-CE

--

UGC-Special Assistance Programme

--

DST-FIST

--

UGC-Innovative PG programmes

--

Any other (*Community  
College*)

Organic  
Farming

UGC-COP Programmes

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

2.1 No. of Teachers

10

2.2 No. of Administrative/Technical staff

01

2.3 No. of students

02

2.4 No. of Management representatives

01

2.5 No. of Alumni

02

2.6 No. of any other stakeholder and  
community representatives

01

2.7 No. of Employers/ Industrialists

01

2.8 No. of other External Experts

2.9 Total No. of members

2.10 No. of IQAC meetings held

2.11 No. of meetings with various stakeholders:

No.	<input type="text" value="-"/>	Faculty	<input type="text" value="--"/>
Non-Teaching Staff	<input type="text" value="--"/>	Alumni	<input type="text" value="-"/>
Students	<input type="text" value="--"/>	Others	<input type="text" value="--"/>

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.	<input type="text" value="3"/>	International	<input type="text" value="--"/>	National	<input type="text" value="--"/>	State	<input type="text" value="--"/>	Institution Level	<input type="text" value="3"/>
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**Annexure-I**

(ii) Themes

2.14 Significant Activities and contributions made by IQAC

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|--|
| <ol style="list-style-type: none"> <li>1. Monitored all significant academic activities in the college.</li> <li>2. IQAC has been continuously encouraging the teaching departments to engage in research work and avail the grants offered by the UGC and other agencies under various heads.</li> <li>3. IQAC checked and verified API of all the promotion cases of teachers under CAS.</li> <li>4. Coordinate quality related Activities.</li> </ol> |
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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>
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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 were shown various science labs of the college. The students were guided about the career options besides facilities like free transportation and refreshment.
2. IQAC organised quality teaching oriented movie show on April 22, 2017 for teaching faculty. The movie “Dangal” was shown and post show discussion session was arranged to enhance the critical approach and to promote quality teaching oriented environment.
3. IQAC in collaboration with Department of English organised brain storming sessions on communication skills for the final year students.

### Annexure-II

#### Academic Calendar

#### Admission Schedule

	Without Late Fee	With Late Fee Rs.560/-	With Late Fee Rs. 2040/- and Permission of V.C.
B.A/B.Sc/B.Com/B.C.A/B.Sc.Biotech (I/II/III)	07/07/2016	18/07/2016	02/08/2016
M.Sc. Zoology III SEM, M.Sc. Physics III SEM, M.Sc. Chemistry III SEM	to	to	to
M.Sc.IT Semester I & III SEM	16/07/2016	01/08/2016	20/08/2016
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			

Teaching work started from 11-07-16 and 18-07-16 in respect of ongoing classes and new Classes respectively.

### **Activity Schedule**

Enrolment of cadets to NCC (All Wings) & NSS	Till August 30, 2016.
Talent Search Competition for CCA	Till August 30, 2016.
Enrolment of Players in various teams	Till August 31, 2016.
Preparatory Holidays for Semester/Annual	As per University Notification
Exam 2016-2017.	

### **Plan of Action**

IQAC advised the chair to install water harvesting plants in the college campus. The cell emphasized that internet facility and indoor games should be provided in the Girls Hostel. It was also decided to encourage various teaching departments to organize national / international level Conference/ Seminar/workshop to promote research and research related activities among faculty and post graduate students. IQAC also suggested to organise Talent Hunt function, Van Mahotsav and Sports meet. It was also decided to organise national level seminar on the topic “Quality Assurance and Quality Enhancement: Role of ICT in Higher Education”. Dean Examination and Registrar were also requested to make a plan to organise Convocation and Prize distribution function. The IQAC also suggested to strengthen the library resources.

### **Achievements**

As per the decision made in the meeting of IQAC, a water harvesting plant was installed in the college campus. PG Department of History in collaboration with Gandhian Studies Centre organized a national level Conference on ‘Spritual Aspects of Gandhian Philosophy’ and PG Department of History in collaboration with Ambedkar Studies Centre organized a national level Conference on ‘Impact of Dr. Ambedkar’s ideas on Indian Democracy’ to promote research and research related activities among faculty and post graduate students. On the advice of this cell, internet facility and indoor games were also provided in the Girl’s Hostel as per requirement. As decided in the action plan, Talent Hunt function was organised in the month of August and Sports meet was organised in the month of March. A number of extension lectures were also organised by different departments. A number of new books were added in the college Library. A book bank was also created 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	-	-	-
Diploma	04	-	-	-
Certificate	04	-	-	-
Others		-	-	-
<b>Total</b>	25	-	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	14
Trimester	-
Annual	11(Certificate, diploma and advanced diploma 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.

NIL
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### **Annexure-III**

Feedback as and when received from the employer (DAV College Managing Committee, New Delhi) is regularly communicated to the employees of the college by Principal through Administrative Office. Views of the employees are discussed in the meetings of advisory committee and staff council of the college. Any other issue related to particular staff member 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. 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 also taken on feedback performa and is addressed by the College Registrar. Feedback from the alumni association is taken care of by the Principal, the Advisory Committee of the College and Alumni Association 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
30	22	07	01	NIL

2.2 No. of permanent faculty with Ph.D.

9
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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	15	00
Presented papers	03	21	00
Resource Persons	00	01	00

#### Annexure-IV

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

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

P.G – 207
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U.G - 207
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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

3	1	-
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as member of Board of Study/Faculty/Curriculum Development workshop

2.10 Average percentage of attendance of students

75.63 %

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. Sem. I	176	0.56	11.93	17.61	13.63	43.75
B.A. Sem.III	152	0.65	15.78	24.34	19.73	60.52
B.A. Sem. IV	142	6.33	23.94	40.84	9.15	80.28
B.A. Sem. V	126	3.97	18.25	30.15	15.07	67.46
B.A. Sem. VI	126	0.79	26.98	24.60	15.87	53.96
B.Sc.(N.M/ Med.) Sem. I	220	6.36	20	22.27	8.63	57.27
B.Sc.(N.M/ Med) Sem. III	151	7.94	34.43	33.11	5.29	80.79
B.Sc.(N.M/ Med) Sem. IV	149	15.43	33.55	13.42	4.69	67.11
B.Sc.(N.M/ Med.) Sem. V	219	14.61	40.63	22.83		78.07
B.Sc.(N.M/ Med.) Sem. VI	217	10.13	39.63	11.05	0.46	61.29
B. Com. Sem. I	76	1.31	43.42	14.47	-	59.21
B.Com. Sem. II	64	6.25	57.81	3.12	-	67.18
B. Com. Sem. III	57	1.25	31.57	17.54	-	50.87
B.Com. Sem.IV	53	9.43	35.84	22.64	-	67.92
B.Com Sem. V	69	5.79	68.11	17.39	-	91.30
B.Com Sem. VI	69	1.44	47.82	15.94	-	65.21
B.C.A. Sem. I	49	6.12	16.32	10.20	-	32.65
BCA Sem. II	46	6.52	13.04	13.04	-	32.60

B.C.A Sem. III	20	-	5	45	-	50
B.C.A Sem. IV	19	5.26	15.78	42.10	-	63.15
B.C.A Sem. V	34	8.82	55.88	11.76	-	76.47
B.C.A Sem. VI	34	2.94	41.18	-	-	44.12
B.Sc. Bio-Technology (Hons.) Sem. I	11	9.09	18.18	-	-	27.27
B.Sc Bio-Technology (Hons.) Sem III	22	4.54	50	13.63	-	68.18
B.Sc Bio-Technology (Hons.) Sem. V	16	31.25	62.5	6.25	-	100
B.Sc Bio-Technology (Hons.) Sem VI	16	25	62.5	6.25	-	93.75
M.Sc. Zoology I sem	47	21.27	57.44	14.89	-	93.61
M.Sc. Zoology III Sem.	47	23.40	68.08	4.25	-	95.74
M.Sc. I.T. I Sem	28	17.85	71.42	-	-	89.28
M.Sc. I.T. III Sem.	25	44	48	-	-	92
M.Sc. I.T. IV Sem.	25	84	8	-	-	92
M.Sc. Physics I sem	43	13	60.46	18.60	-	93.02
M.Sc. Physics III Sem.	43	16.27	67.44	11.62	-	95.34
M.Sc. Chemistry I Sem.	43	-	55.81	20.93	-	76.74
M.Sc. Chemistry III Sem.	44	11.36	52.27	20.45	-	84.09
M.Sc. Chemistry IV Sem.	43	11.62	60.46	13.95	-	86.04
M.Sc. Mathematics I Sem.	44	4.54	2.27	11.36	-	18.18
M.Sc. Mathematics II Sem.	41	12.19	36.58	12.19	-	60.97

M.Sc. Mathematics III Sem.	42	-	21.42	2.38	-	23.80
M.A. English I Sem.	32	-	18.75	59.37	3.12	81.25
M.A. English II Sem.	32	-	6.25	43.75	21.87	71.87
M.A. English III Sem.	39	-	-	41.02	5.12	46.15
M.A. English IV Sem.	35	-	2.85	28.57	22.85	54.28
M.A. History I Sem.	15	-	20	20	13.33	53.33
M.A. History III Sem.	27	-	40.74	40.74	3.70	85.18
M.A. Punjabi I Sem.	10	-	10	30	-	40
M.A. Punjabi III Sem.	12	-	50	25	8.33	83.33
M.A. Punjabi IV Sem.	12	-	50	8.33	-	58.33
PGDCA(Sem. I)	13	30.77	23.07	7.69	-	61.53

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

**Feedback from students, parents, employees, alumni is 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	02
UGC – Faculty Improvement Programme	--
HRD programmes	--
Orientation programmes	--
Faculty exchange programme	--
Staff training conducted by the university	--
Staff training conducted by other institutions	--
Summer / Winter schools, Workshops, etc.	--
Others ( Short Term Courses)	08

## 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	03	03	NIL	06
Technical Staff	11	-	NIL	19

## Annexure IV

## FACULTY ATTENDED NATIONAL LEVEL CONFERENCE/SEMINAR

1. **Dr. Bhanu Gupta** attended workshop on Modeling, optimization and Simulation of Stochastic Systems (MOSSS-16) organized by Mathematical Colloquium, Department of Mathematics, IIT Roorkee on November 26, 2016.
2. **Dr. Bhanu Gupta** attended UGC sponsored one day National Conference on Spiritual Aspects of Gandhian Philosophy organized by Gandhian Studies Centre and PG Department of History, JC DAV College, Dasuya on March 30, 2017.
3. **Sh. Amit Sharma** attended workshop on Modeling, optimization and Simulation of Stochastic Systems (MOSSS-16) organized by Mathematical Colloquium, Department of Mathematics, IIT Roorkee on November 26, 2016.
4. **Sh. Amit Sharma** attended UGC sponsored one day National Conference on Spiritual Aspects of Gandhian Philosophy organized by Gandhian Studies Centre and PG Department of History, JC DAV College, Dasuya on March 30, 2017.
5. **Prof. Kamal Mehta** attended one day UGC Sponsored National Conference on “Impact of Dr. Ambedkar’s ideas on Indian democracy” organized Dr. Ambedkar studies Centre by PG Dept. of History, JCDAV College, Dasuya on March 29, 2017.
6. **Prof. Kamal Mehta** attended one day UGC Sponsored National Conference on “Spiritual aspects of Gandhian Phiosphy” organized by Gandhian Study Centre & PG Department of History, JCDAV College, Dasuya on March 30, 2017.
7. **Dr. Rajesh Kumar** attended one day national conference Impact of Dr. Ambedkar’s Ideas on Indian Democracy 29<sup>th</sup> March, 2017 at JCDAV College Dasuya.

8. **Dr. Rajesh Kumar** attended one day national conference on Spiritual aspects of Gandhian Philosophy 30<sup>th</sup> March, 2017 at JCDAV College on impact Dasuya.
9. **Prof. Deepak Saini** attended one day national conference on Impact of Dr. Ambedkar's ideas on Indian democracy organized by Dr. Ambedkar studies centre at PG department of history at J.C.DAV College Dasuya on march 29-2017.
10. **Prof. Deepak Saini** attended UGC sponsored one day national conference on spiritual aspects of gandhian philosophy organized by gandhian studies centre and PG department of history at J.C. DAV college Dasuya on 30<sup>th</sup> March, 2017.
11. **Dr. Jaypinder Kaur Roop** attended UGC Sponsored One Day National Conference on Impact of Dr. Ambedkar's Ideas on Indian Democracy, Organized by Dr. Ambedkar Studies Centre & PG Department of History, Jagdish Chandra DAV College, Dasuya, on 29<sup>th</sup> March, 2017.
12. **Dr. Jaypinder Kaur Roop** attended UGC Sponsored One Day National Conference on Spiritual Aspects of Gandhian Philosophy, Organized by Gandhian Studies Centre & PG Department of History, Jagdish Chandra DAV College, Dasuya, on 30<sup>th</sup> March, 2017.
13. **Sh. Tarsem Lal** attended UGC Sponsored one day National Conference on "Impact of Dr. Ambedkar's ideas on Indian Democracy" was attended at JCDAV College Dasuya and organized by Dr. Ambedkar Studies Centre and PG Department of History on dated 29-03-2017
14. **Sh. Tarsem Lal** attended UGC Sponsored one day National Conference on "Spiritual Aspects of Gandhian Philosophy" was attended at JCDAV College Dasuya and organized by Gandhian Studies Centre and PG Department of History on dated 30-03-2017.
15. **Sh. Tarsem Lal** attended workshop on "Building Digital Libraries Using Greenstone Digital Library (GSDL) Software" Organized by Bhai Kahan Singh Nabha Library of Sri Guru Gobind Singh College, Sector-26, on dated 12-01-2017.

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



1. **Dr. Rajesh Kumar** presented a paper in International conference on “**Nuclear Physics with energetic heavy ion beam**” from 15-03-2017 to 18-03-2017 at Panjab University Chandigarh.
2. **Dr. Vinay Kumar** presented a paper on **Mahatma Gandhi on Communal Harmony** in International Conference on **Debating Gandhi** on 08 October, 2016 at D.A.V. College, Amritsar.
3. **Prof. Rajesh Kumar** presented a paper titled **Standardization of various parameters for the synthesis of binary AASO<sub>3</sub>H grafted cellulose in** International conference on "Recent advances in fundamental and applied sciences-2016" at Lovely Professional University, Jalandhar-Delhi G.T. Road, National Highway 1, Phagwara, Punjab, November 25-26, 2016.

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

1. **Sh. Amit Sharma** presented a paper titled **Simulation of integrated pest management for impulsive model** in two days National Conference on Recent Trends in Numerical Analysis and Computational Techniques organized by Department of Applied Science, DAVIET Jalandhar on March 28-29, 2017.
2. **Sh. Amit Sharma** presented a paper titled **Numerical Simulation of an Impulsive Model IPM using MATLAB** in one day National Seminar on Recent Advances in Mathematical Research organized by Department of Mathematics, R.G. Government College, Saha (Ambala) on Feb 11, 2017.
3. **Dr. Bhanu Gupta** presented a paper titled **Simulation of integrated pest management for impulsive model** in two days National Conference on Recent Trends in Numerical Analysis and Computational Techniques organized by Department of Applied Science, DAVIET Jalandhar on March 28-29, 2017.
4. **Dr. Anil Kumar** presented a paper titled **Information Density of Isospectral Potential** in National Conference on Research Trends in Physics and Electronics at SGGS Khalsa College, Mahilpur on 25-26 Nov. 2016.
5. **Dr. Girish Kumar** presented a paper entitled “Ag-doped ZnO nanoneedles: Potential scaffolds for acetone gas sensing applications” in NCENRM 2017 at Shoolini University, Solan (HP) on 23-24 Feb, 2017.

6. **Sh. Kamal Mehta** presented paper on "**Restriction endonucleases: The molecular scissors**" in UGC sponsored National seminar on "Immunological and biotechnological approach to human health "organized by Zoology Department. Of Shanti Devi Arya Mahila College, Dinanagar ,Distt. Gurdaspur on 05 Nov. 2016.
7. **Sh. Kamal Mehta** presented paper on "**Restriction endonucleases: The molecular scissors**" in UGC sponsored National seminar on Immunological and biotechnological approach to human health organized by Zoology Department. of Shanti Devi Arya Mahila College, Dinanagar ,Distt. Gurdaspur on 05 Nov. 2016.
8. **Sh. Mohit Sharma** presented a paper on **Emerging Trends of Online Shopping in context of India** in two day National Conference on Emerging trends in Electronics & Computer Engineering dated Feb 10<sup>th</sup>-11<sup>th</sup>, 2017 at Guru Nanak Dev University, Regional Campus, Gurdaspur.
9. **Sh. Mohit Sharma** presented a paper on **Cloud Computing for Online Shopping** in one day National Seminar Cloud Computing on dated March 23<sup>th</sup>, 2017 at RR Bawa DAV College for Girls, Batala.
10. **Dr. Nargis Dhillon** presented a paper titled **Discrimination, Powerlessness, Voicelessness -reflected by Class and Gender** in UGC sponsored National Seminar titled **Institutionalizing Dalit Studies in India: An Interrogation and Reflection** organized by Shanti Devi Arya Mahila College, Dinanagar (Distt.Gurdaspur) on 27<sup>th</sup> September, 2016.
11. **Sh. Deepak Saini** presented the paper on "**RNA interference and its uses**" UGC sponsored national seminar "**immunological and biotechnological approaches to human health care**" Shanti Devi Arya Mahila college Dinanagar on November 15-2016.
12. **Sh. Rajesh Kumar** presented a paper titled **Graft copolymers of 2-Acrylamido-2-methylpropane sulfonic acid and some co-monomers onto extracted cellulose for dye adsorption applications** in National conference on "Environment and Natural Resource Management (NCENRM-2017)" at Shoolini University, Solan, Himachal Pradesh, **February 23-24, 2017.**
13. **Dr. Jaypinder Kaur Roop** presented a paper titled **Applications of Biotechnology in Health Care** at UGC Sponsored National Seminar on Immunological and Biotechnological Approach to Human Health Care, Organized by Shanti Devi Arya Mahila College, Dinanagar on 5<sup>th</sup> Nov. 2016.

14. **Dr. Jaypinder Kaur Roop** presented a paper titled **Neem: Its Significance in Farming** at UGC Sponsored National Seminar on Organic Farming: Need of the Hour, Organized by Shanti Devi Arya Mahila College, Dinanagar on 12<sup>th</sup> Nov. 2016.
15. **Sh. Jagdeep Singh** presented a paper titled **Attribute of 5G: The Future of Wireless Communication** in the UGC sponsored one day National Conference “Emerging Trends in Electronics and Computer Engineering ” at Guru Nanak Dev University Regional Campus, Gurdaspur on February 10-11, 2017.
16. **Sh. Jagdeep Singh** presented a paper titled **Cloud Computing –An overview** in the UGC sponsored one day National Conference on Cloud Computing at RR Bawa DAV College for Girls, Batala on 23th March, 2017.
17. **Sh. Sital Singh** presented a paper **Gurbani de parsang vich naitik kadran kimtan,** One day National seminar, PG Department of Punjabi, Guru Teg Bahadar Khalsa College For Women, Dasuya-144205, 2 March, 2017.
18. **Sh. Sital Singh** presented a paper **Loktantra de paripekha which Dr. B.R. Amedkar de vichar,** UGC Sponsored one day National Conference on ‘Impect of Dr. Ambedkar’s ideas on Indian Democracy’ Organized by Dr. Ambedkar Studies Centre and PG Department of History, J.C. D.A.V. College Dasuya on 29 March, 2017.
19. **Sh. Sital Singh** presented a paper **Bharti Darshan de parsang vich Mahatma Gandhi de Adhiyatmak vichardhera,** in UGC sponsored one day National Conference on ‘Spiritual Aspects of Gandhian Philosophy’, organized by Gandhian Studies Centre and PG Department of History, J.C. D.A.V. College Dasuya on 30 March, 2017.
20. **Sh. Tarsem Lal** presented a paper on **Disaster management in Libraries in India: An Overview** in National Conference on Changing Role of Academic and Public Libraries in the internet Era: Challenges and Opportunities at Malout Institute of management & Information Technology (MIMIT), Malout on 03-12-2017.
21. **Prof. Deepak Kumar** presented a paper on **Study of avifaunal diversity of Kali Bein Punjab** in UGC- SAP sponsored national seminar on Challenges in sustainable management of natural resources organized by Deptt. Zoology, Kurukshetra University, Kurukshetra on 24,25 march 2017.

## **Annexure V**

### **FACULTY ATTENDED REFRESHER COURSES**

1. **Dr. Rajesh Kumar** attended the Refresher Course on “**Emerging issues in Information Technology**” from 22-11-2016 to 12-12-2016 organized by UGC HRDC, Panjab University Chandigarh.
2. **Sh. Mohit Sharma** participated in Refresher Course on Research Methodology in Social Sciences from 23-12-2016 to 12-01-2017 organized by UGC HRDC, Guru Nanak Dev University, Amritsar.

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

3. **Dr. Anil Kumar** participated in “**Research Methodology**” short term course held at UGC-HRDC, GNDU, Amritsar w.e.f. 27.05.2017 to 02.06.2017.
4. **Dr. Girish Kumar** attended a short term course on ‘**Research Methodology**’ at HRDC GND University Amritsar w.e.f. 27.05.17 to 02.06.17.
5. **Prof. Kamal Mehta** attended one week Short term course on “**Research Methodology**” at UGC-Human Resource Development Centre (HRDC/ASC-GNDU) from 27.05.2017 to 03.06.2017.
6. **Dr. Mukta Soni** attended short term course on **Research methodology** at Guru Nanak Dev University Amritsar from 27/05/2017 to 2/06/2017.
7. **Prof. Rajesh Kumar** attended **7 days Short Term Course in Research Methodology** at Guru Nanak Dev University, Amritsar from 27<sup>th</sup> May, 2017 to 2<sup>nd</sup> June, 2017.
8. **Dr. Jaypinder Kaur Roop** attended Short Term Course on **Research Methodology** at Guru Nanak Dev University, Amritsar from 27/05/2017 to 02/06/2017.
9. **Prof. Narinderjit Singh** attended ICCR sponsored one week Research Methodology workshop on **Simulation of A Research problems and deriving conclusion** at SGGS Khalsa College Mahilpur from 26/12/2016 to 02/01/2017.
10. **Prof. Narinderjit Singh** attended seven days international workshop on **Developing emotional integration through yoga and meditation** at SBHSM Khalsa College of Education Mahilpur from 14/03/2017 to 20/03/2017.

## 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 like Conference / Seminar / Workshop /Guest Lecture in the college.

#### 3.2 Details regarding major projects

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

#### 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	31	05	--
Non-Peer Review Journals	--	--	--
e-Journals	--	--	--
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	--	--	--	--
Minor Projects	--	--	--	--

Interdisciplinary Projects	--	--	--	--
Industry sponsored	--	--	--	--
Projects sponsored by the University/ College	--	--	--	--
Students research projects (other than compulsory by the University)	--	--	--	--
Community College	--			--
Total				NIL

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	00	02	--	--	--
Sponsoring agencies	--	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: 135

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:

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

3.25 No. of Extension activities organized

University forum	<input type="text" value="07"/>	College forum	<input type="text" value="10"/>		
NCC	<input type="text" value="07"/>	NSS	<input type="text" value="05"/>	Any other	<input type="text" value="--"/>

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

- NCC unit celebrated SWATCHTA PAKHWA on August 13, 2016.
- NCC students participated in drawing competition on social issues and pledge ceremony on August 19, 2016.
- Tree Plantation program was organised by NCC and NSS on August 26, 2016.
- A lecture was delivered by Dr. R.K. Mahajan (Department of Mathematics) on Swachh Bharat Abhiyan on August 26, 2016.
- Seven Day Camp was organized by NSS Department from Oct. 11, 2016 to Oct. 17, 2016.
- Blood Donation Camp in collaboration with HDFC Bank, Dasuya and Civil Hospital, Dasuya was held on November 28, 2016.
- A Rally was organized by NSS in collaboration with Red Ribbon Club on Dec. 02, 2016.
- Polythene free campaign was launched in the college by NCC and students were encouraged to promote it in their houses and towns/villages.
- Literacy drive was launched by IQAC to educate house wives.
- NCC cadets participated in Independence and Republic day Parade at Panchayat Stadium, Dasuya.
- NCC cadets celebrated International Yoga Day on June 21, 2017.

## **ANNEXURE-VI**

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



1. **Dr. Amandeep Rana** published research paper title **Mapping the Sacred in R.K. Narayan: Contextualizing Spiritual Suffering in The English Teacher** in *The Criterion: An International Journal in English* Vol.8, Issue-II, April 2017; ISSN: 0976-8165.
2. **Dr. Anil Kumar** with Pooja, A. Sharma and R. Gupta published a paper titled **Information Entropy of Modified Hylleraas plus Rosen-Morse Potential and Squeezed States** in *International Journal of Quantum Chemistry*, 117, e25368 (2017).
3. **Dr. Anil Kumar** with R. Kumar, A. Umar, G. Kumar, H.S. Nalwa and M.S. Akhtar published a paper titled **Zinc Oxide Nanostructure based dye-sensitized solar cells** in *Journal of Material Science*, 52, 4743-4795 (2017).
4. **Dr. Anil Kumar** published a paper titled **Re-arranging the Information Entropy** in *International Journal of Pure and Applied Physics*, 13(1), 87-99 (2017).
5. **Prof. Anu Bajaj** published a Paper with Dr. A.S. Sethi entitled, **“What Determines Non-performing Assets of Scheduled Commercial Banks in India? – An Empirical Investigation”** in *The Journal of Income and Wealth*, Vol. 38(2) (2016) 251-68.
6. **Dr. Girish Kumar** alongwith Rajesh Kumar, Anil Kumar published a paper entitled **“ZnO thin Films: Chemical Vapour Deposition, Growth and Functional properties** in *Reviews in Advanced Sciences and Engineering*, 5 (2016) 1 (American Scientific Publishers).
7. **Dr. Girish Kumar** along with Pooja, R. Kumar, , R. Kumar, Anil Kumar published a paper entitled **Quantum information entropy of Eckart potential** in *Journal of Quantum Chemistry*, 116 (19), (2016), 1413 (Wiley).
8. **Dr. Girish Kumar** along with Rajesh Kumar, Ahmad Umar and Hari Singh Nalwa published a paper entitled **Antimicrobial Properties of ZnO Nanomaterials: A Review** in *Ceramics International*, 43 (2017) 3940–3961 (Elsevier).
9. **Dr. Girish Kumar** alongwith Rajesh Kumar, Ahmad Umar, Hari Singh Nalwa, Anil Kumar, M.S. Akhtar published a paper entitled **Zinc Oxide Nanostructures-Based Dye-Sensitized Solar Cells: A Review** in *Journal of Materials Science*, 52 (2017)4743 (Springer)
10. **Prof. Kamal Mehta** published a Research paper titled **Impact of temperature on contaminant toxicity in fish fauna: A Review** in *Indian Journal of Science and Technology* Vol.10 issue 18, May 2017 with impact factor: 1.722 (2015) 1189-1193.

11. **Dr. Nargis Dhillon** published a paper titled **The Street by Ann Petry: A Quagmire of Environmental & Economic Oppression** in Research Scholar: An International Refereed e-Journal of Literary Explorations Vol. 5 Issue1, 76-81 (Feb, 2017) ISSN 2320-6101, Impact Factor 0.998.
12. **Dr. Rajesh Kumar** with Gurmeet Kumar and Surender Kumar published a paper titled **Systematic study of octupole correlation in the A~130 mass region** in International Journal of Pure and Applied Physics, Volume 13, No. 1 pp 89-95 (2017).
13. **Dr. Rajesh Kumar** with Pooja, G. Kumar, R. Kumar, Anil Kumar, published a paper titled **Quantum information entropy of Eckart potential** in International Journal of Quantum Chemistry, **116**; 1413-1418 (2016).
14. **Dr. Vinay Kumar** published a paper entitled **“Paramount Electoral Vision in Punjab: A British Perception”** in International Journal of Research Vol- 04 Issue- 02 February, 2017, ISBN No. 23486848 with Impact Factor 5.60.
15. **Dr. Vinay Kumar** published a paper entitled **“An Analysis of the Historical Evolution of Value Based Education: A Religious Perspective”** in International Journal of Research Vol- 04 Issue- 03 March, 2017, ISBN No. 23486848 with Impact Factor 5.60.
16. **Dr. Vinay Kumar** published a paper entitled **“Early Dalit Movements in Modern India”** in International Journal of Research Vol- 04 Issue- 06 May, 2017, ISBN No. 23486848 with Impact Factor 5.60.
17. **Sh. Mohit Sharma** published a paper **Electronic Cash over the Internet and Security Solutions** published in Volume 8 Issue 1 January February 2017 edition of International Journal of Advanced Research in Computer Science (ICI & UGC Recognized Journal) ISSN No. 0976-5697 page no. 229-232.
18. **Sh. Mohit Sharma** published a paper **A Study of SDLC to develop well engineered software** published in Volume 8 Issue 3 March April 2017 edition of International Journal of Advanced Research in Computer Science (ICI & UGC Recognized Journal) ISSN No. 0976-5697 page no. 520-523
19. **Dr. Mukta Soni** published a paper titled **Violation of women human rights** in International Journal of Humanities and Management (2016) 113-118.
20. **Prof. Rajesh Kumar** with Yas Al-Hadeethi, Ahmad Umar, Ahmed A. Ibrahim, Saleh. H. Al-Heniti, S. Baskoutas, and Bahaaudin M. Raffah published a paper titled **Synthesis, characterization and acetone gas sensing applications of Ag-doped ZnO nanoneedles**, Ceramics International, 43, 6765–6770 June (2017) Impact Factor: **2.986**.

21. **Prof. Rajesh Kumar** with Ahmad Umar, Girish Kumar, Hari Singh Nalwa, Anil Kumar and M.S. Akhtar, published a paper titled **Zinc oxide nanostructures-based dye-sensitized solar cells** in Journal of Materials Science 52 (9), 4743-4795 May (2017). Impact Factor: **2.599**.
22. **Prof. Rajesh Kumar** with Rajeev Kr. Sharma and Anirudh P. Singh published a paper titled **Cellulose based grafted biosorbents - Journey from lignocellulose biomass to toxic metal ions sorption applications - A review** in Journal of Molecular Liquids, 232, 62-93 April (2017). Impact Factor: **3.648**.
23. **Prof. Rajesh Kumar** with Ahmad Umar, Girish Kumar and Hari Singh Nalwa published a paper titled **Antimicrobial properties of ZnO nanomaterials: A review** in Ceramics International, 43 (5) 3940–3961 April (2017) Impact Factor: **2.986**.
24. **Prof. Rajesh Kumar** with Y. Al-Hadeethi, Ahmad Umar, S.H. Al-Heniti, S.H. Kim and X. Zhang published a paper titled **2D Sn-doped ZnO ultrathin nanosheet networks for enhanced acetone gas sensing application** in Ceramics International, 43 (2) 2418-2423 February (2017). Impact Factor: **2.986**
25. **Prof. Rajesh Kumar** with Ahmad Umar, Jong-Heun Lee and O. Al-Dossary published a paper titled **Synthesis and characterization of CuO nanodisks for high-sensitive and selective ethanol gas sensor applications** in Journal of Nanoscience and Nanotechnology 17 (2) February (2017) 1455-1459. Impact Factor: **1.483**
26. **Prof. Rajesh Kumar** with A.A. Ibrahim, Ahmad Umar, S.H. Kim, A Bumajdad and ZA Ansari published a paper titled **Cauliflower-shaped ZnO nanomaterials for electrochemical sensing and photocatalytic applications** in Electrochimica Acta, 222, 463–472 December (2016). Impact Factor: **4.798**
27. **Prof. Rajesh Kumar** with Girish Kumar and Anil Kumar published a paper titled **ZnO thin films: Chemical vapour deposition, growth and functional properties**, in Reviews in Advanced Sciences and Engineering, December (2016) 5, 150–160.
28. **Prof. Rajesh Kumar** with Ahmed A. Ibrahim, Ahmad Umar, S.H. Kim, Ali Bumajdad and S. Baskoutas published a paper titled **Sm<sub>2</sub>O<sub>3</sub>-doped ZnO beech fern hierarchical structures for nitroaniline chemical sensor**, in Ceramics International 42 (15) 16505–16511 November (2016). Impact Factor: **2.986**
29. **Prof. Rajesh Kumar** with Ahmed A. Ibrahim, Ahmad Umar, Rafiq Ahmad and S. Baskoutas published a paper titled **Fabrication and Characterization of Highly Sensitive and Selective Glucose Biosensor Based on ZnO Decorated Carbon**

- Nanotubes**, in *Nanoscience and Nanotechnology Letters* 8, 853–858 October (2016).  
Impact Factor: **1.889**
30. **Prof. Rajesh Kumar** with S.H. Kim and Ahmad Umar published a paper titled **Synthesis of Sn-doped ZnO nanostructures for 4-nitrophenol chemical sensor application** in *Nanoscience and Nanotechnology Letters* 8, 827–832 October (2016).  
Impact Factor: **1.889**
31. **Prof. Rajesh Kumar** with Ahmad Umar, R. Ahmad, A.A. Ibrahim and S. Baskoutas published a paper titled **Bi<sub>2</sub>O<sub>2</sub>CO<sub>3</sub> nanoplates: Fabrication and characterization of highly sensitive and selective cholesterol biosensor** in *Journal of Alloys and Compounds* 683, 433-438 October (2016). Impact Factor: **3.133**
32. **Prof. Rajesh Kumar** with Pooja, G. Kumar and Anil Kumar published a paper titled **Quantum information entropy of Eckart potential** in *International Journal of Quantum Chemistry* 116 (19) October (2016) 1413-1418. Impact Factor: **2.920**.
33. **Prof. Rajesh Kumar** with Ahmad Umar, Jong-Heun Lee, O. Al-Dossary, Ahmed A. Ibrahim and S. Baskoutas published a paper titled **Development of highly sensitive and selective ethanol sensor based on lance-shaped CuO nanostructures** in *Materials & Design* 105, 16-24, September (2016). Impact Factor: **4.364**.
34. **Prof. Rajesh Kumar** with Naushad Ahmad, Ahmad Umar and Manawwer Alam published a paper titled **Microwave-assisted synthesis of ZnO doped CeO<sub>2</sub> nanoparticles as Potential Scaffold for Highly Sensitive Nitroaniline Chemical Sensor** in *Ceramics International* 42 (10), 11562-11567, August (2016). Impact Factor: **2.986**.
35. **Prof. Sital Singh** published a research paper ‘**Guru Ravidass Bani da Samajik Parsang**’, in *Research Icon (A Multidisciplinary Quarterly Research Journal)*, Dec 2016, ISSN 2395-6585.
36. **Sh. Tarsem Lal** published a paper on **Research Problems face by College Librarian in present scenario** in *Indian Journal of Social Research*, Volume 58 (3) (May-June) 2017, (Academic & Law Serials), Delhi-110092.

## ANNEXURE-VII

### BOOK CHAPTERS PUBLISHED

1. **Dr. Girish Kumar and Rajesh Kumar** with Ahmad Umar, Yao Wang, Iqbal M. I. Ismail, Suvarcha Chauhan, and M. S. Chauhan published book chapter entitled “CuO Nanomaterials for Sensor Applications” in **Nanomaterials-based Flexible and Multifunctional Sensors** Edited by Eric Singh and Hari Singh Nalwa Chapter 3 (ISSN: 1-58883-257-0).
2. **Prof. Kamal Mehta** published Chapter titled “**Gene Therapy with special reference to SCID and Cancer patients**” in proceeding Book of DST Sponsored National Seminar on “Emerging trends in Biological and Agricultural Sciences” held on Jan. 22, 2016 organized by Department of Biology and Agricultural Sciences, D.A.V. College, Abohar (Punjab) with ISBN No. 789386318541 & Page No. 250-255 (edited by: Dr. Navdeep Gandhi & Dr. Renu Arora)
3. **Dr. Mukta Soni** published a book chapter titled **Human rights** in India in edited book - human rights p. 29-39 (2016).

### CONFERENCE/SEMINAR/ WORKSHOPS ORGANISED

1. P.G. Department of History in collaboration with Ambedkar’s Study Center organized U.G.C. Sponsored One Day National Conference on ‘**Impact of Dr. Ambedkar’s ideas on Indian Democracy**’ on 29<sup>th</sup> March, 2017.
2. P.G. Department of History in collaboration with Gandhian Study Centre organized U.G.C. Sponsored One Day National Conference on ‘**Spiritual Aspects of Gandhian Philosophy**’ on 30<sup>th</sup> March, 2017.

### SESSION CHAIRED

1. **Dr. Vinay Kumar** Chaired a Technical Session in National Conference “**State Politics: Problems & Suggestion**” on 18 February, 2017 at Mata Ganga Khalsa College, Kottan, Ludhiana.

## 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	24	00	--	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	8330	732821	817	362760	9147	1095581/-	
Reference Books	8232	510867	1596	620691	9828	1131558/-	
e-Books	NLIST provides access to 31, 35000 e- books.						
Journals	27		8		35	24200/-	
e-Journals	NLIST provides access to 6000 e- journals.						
Digital Database	DELNET database are used.						
CD & Video	230	Gifted	--	--	230	Nil	
Others	Gifted Books	-	-	6311	-	6311	Nil
	Photocopier	1	30,000/-	-	-	1	30,000/-
	( Projector)	-	-	1	34500	1	34500/-

#### 4.4 Technology up gradation (overall)

	Total Computers	Computer Labs	Internet	Browsin g Centres	Compu ter Centre s	Office	Depart- ments	Others

Existing	195	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	14	--	--	--	--		--	01
Total	209	07	09	02	0		09	01

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

The Department of Computer Science & IT provides need based regular guidance and help to teaching and non-teaching staff. 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	5.8 Lakh
ii) Campus Infrastructure and facilities	4.0 Lakh
iii) Equipments	2.6 Lakh
iv) Others	2.0 Lakh
<b>Total:</b>	<b>14.4 Lakh</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 organized mentoring sessions and class room visits to enhance student awareness about support services. NCC /NSS Officers made the students aware about benefits of joining NCC/NSS and motivated them to join through classroom 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. Head of Sports Department made the students aware about various games available in the college and their benefit. 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. IQAC also encourages Dean Student Welfare and Anti-ragging cell to take care about any complaint or suggestion of the students, new admission in particular. Women grievance cell also made aware the girl students about the existence of the cell and encouraged them to contact the cell in case of any problem.

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

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

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

UG	PG	Ph. D.	Others
1501	602	-	-

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

113

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

NIL

No	%
830	39.46

Women

No	%
1273	60.54



Last Year						This Year					
General	SC	ST	OBC	Physically Challenged	Total	General	SC	ST	OBC	Physically Challenged	Total
1447	412	02	433	-	2294	1431	350	-	322	-	2103

**Demand ratio** Varies from class to class      **Dropout %** 6.18

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

08

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 and Training Cell to the final year students of various programmes.

No. of students benefitted

31

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
ONE (Concentrix Daksh Services India Private Limited)	110	31	A number of students have been placed in schools, colleges and banks but no record has been maintained.

5.8 Details of gender sensitization programmes

-----

## 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	238	813960
Financial support from government	160	46,51,264 (grant awaited from government)
Financial support from other sources	NIL	NIL
Number of students who received International/ National recognitions	-	-

### 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 resources 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 has been provided to every department of the college. Some classrooms of PG courses are also equipped with Projector.

#### 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. Reading room near to Library is open upto 6:30 pm.

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 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 representatives in Local Managing Committee. 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 girl's 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 ad-hoc 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. in Physics, Chemistry and Zoology is made on the basis of entrance test conducted by affiliating Panjab university, Chandigarh and admission in other post graduate courses (M. Sc in Mathematics and IT ; M.A. in English, Punjabi and History), and graduate course B.Com, BCA, B. Sc (Bio-tech) is done purely on college 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 the college has tied up with Chopra Hospital to take care of emergency cases.
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6.5 Total corpus fund generated

30 Lakh

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, IQAC
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 getting 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. Different workshops are also organised by Computer Science Department to make them aware of basics of computer and cashless transactions.

#### 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.
- Water Harvesting plants are installed in the college campus.
- Students are encouraged to use dustbin to throw waste material.
- The waste of kitchens in mess and canteen is composted.

## 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.

Departments deputed Class representatives and Department representatives on the basis of their academic position to organise department level activities.

Practical training of English language is imparted to the students 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, a water harvesting plant was installed in the college campus. PG Department of History in collaboration with Gandhian Studies Centre organized a national level Conference on ‘Spritual Aspects of Gandhian Philosophy’ and PG Department of History in collaboration with Ambedkar Studies Centre organized a national level Conference on ‘Impact of Dr. Ambedkar’s ideas on Indian Democracy’ to promote research and research related activities among faculty and post graduate students. On the advice of this cell, internet facility and indoor games were also provided in the Girl’s Hostel as per requirement. As decided in the action plan, Talent Hunt function was organised in the month of August and Sports meet was organised in the month of March. A number of extension lectures were also organised by different departments. A number of new books were added in the college Library. A book bank was also created 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

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 and NCC organizes seminars/rallies for environment protection. All this enlightens the students to make the environment clean. The waste of kitchens in mess and canteen is composted. The celebration of Van Mahotsav is a regular feature of the college.

7.5 Whether environmental audit was conducted? Yes  No

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

#### SWOC Analysis

##### Strength

- Experienced, Dedicated and Research oriented staff.
- Strives in inculcating Moralistic values among the students.
- High-tech and well furnished Science and Computer Labs.
- Wi-Fi Campus and well stocked Library with DELNET and INFLIBNET facilities.

##### Weakness

- Lack of funds due to inadequate release of grant by state government.
- Students from backward regions.
- Inflexibility to design new courses without the permission of affiliating university.

##### Opportunity

- Good opportunity for the college to start UGC funded skilled development courses.
- Great scope for the teachers to avail the UGC funded research projects.

##### Challenges

- Financial restriction because of limited grant by state government.
- Students of this region migrate outside India after their secondary education.
- More and more students opting for professional colleges

## 8. Plans of institution for next year

- To introduce new professional and inter-disciplinary courses.
- Research collaboration with Research Institutes of national and international repute.
- To organize more International and National Level Seminars, Conferences and Workshops.
- To further encourage Sports and Social Extension Services.
- Renovating and Updating Playgrounds as per International Standards.
- To Strengthen and Enhance Infrastructural Facilities like Auditorium, Boys Hostel and Examination Hall.
- To design MOOC Courses.

### 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

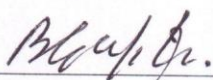
### **Problems Encountered & Resources Required**

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. Amardeep Gupta*



*Signature of the Coordinator, IQAC*



*Signature of the Chairperson, IQAC*

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