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# Annual Quality Assurance Report

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## 2015-16

Submitted by

Internal Quality Assurance Cell (IQAC)



**Multani Mal Modi College, Patiala  
Punjab**

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

July 1, 2015 to June 30, 2016

## Part – A

### 1. Details of the Institution

1.1 Name of the Institution	<b>MULTANI MAL MODI COLLEGE</b>
1.2 Address Line 1	<b>NEAR SUNAMI GATE</b>
Address Line 2	<b>OPPOSITE POLO GROUND</b>
City/Town	<b>PATIALA</b>
State	<b>PUNJAB</b>
Pin Code	<b>147001</b>
Institution e-mail address	<b>principal@modicollege.com registrar.modicollege@gmail.com</b>
Contact Nos.	<b>0175-2214108, 0175-2212049, 98155-46108 Fax: 0175-2305853</b>
Name of the Head of the Institution:	<b>Dr. Khushvinder Kumar</b>
Tel. No. with STD Code:	<b>0175-2214108</b>
Mobile:	<b>98155-46108</b>

Name of the IQAC Co-ordinator:

SH. NIRMAL SINGH

Mobile:

94174-35727

IQAC e-mail address:

registrar.modicollege@gmail.com

1.3 NAAC Track ID (For ex. MHC0GN 18879)

PBC0GN 12070

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(SC)/06/RAR/071 dated 01-05-2015

1.5 Website address:

www.modicollege.com

Web-link of the AQAR:

www.modicollege.com/AQAR2015-16.pdf

1.6 Accreditation Details

Sl. No.	Cycle	Grade	CGPA	Year of Accreditation	Validity Period
1	1 <sup>st</sup> Cycle	B++		2005	5 Years
2	2 <sup>nd</sup> Cycle	A	3.26	2015	5 Years
3	3 <sup>rd</sup> Cycle				

1.7 Date of Establishment of IQAC : DD/MM/YYYY

05/10/2011

1.8 AQAR for the year (for example 2010-11)

2015-16

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)

(ii)

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*)

**PUNJABI UNIVERSITY, PATIALA**

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

Autonomy by State/Central Govt. / University

University with Potential for Excellence  UGC-CPE

DST Star Scheme	<input type="text"/>	UGC-CE	<input type="text"/>
UGC-Special Assistance Programme	<input type="text"/>	DST-FIST	<input type="text"/>
UGC-Innovative PG programmes	<input type="text"/>	Any other ( <i>Specify</i> )	<input type="text"/>
UGC-COP Programmes	<input type="text"/>		

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

2.1 No. of Teachers	<input type="text" value="08"/>	
2.2 No. of Administrative/Technical staff	<input type="text" value="02"/>	
2.3 No. of students	<input type="text" value="05"/>	
2.4 No. of Management representatives	<input type="text" value="01"/>	
2.5 No. of Alumni	<input type="text" value="01"/>	
2.6 No. of any other stakeholder and community representatives	<input type="text"/>	
2.7 No. of Employers/ Industrialists	<input type="text" value="01*"/>	
2.8 No. of other External Experts	<input type="text"/>	
2.9 Total No. of members	<input type="text" value="17"/>	<b>(See annexure II)</b>
2.10 No. of IQAC meetings held	<b>02</b>	
2.11 No. of meetings with various stakeholders:	No. <input type="text" value="02"/>	Faculty <input type="text" value="✓"/>
Non-Teaching Staff <input type="text"/>	Students <input type="text"/>	Alumni <input type="text"/>
		Others <input type="text"/>
2.12 Has IQAC received any funding from UGC during the year?	Yes <input type="text"/>	No <input type="text" value="✓"/>
If yes, mention the amount	<input type="text"/>	

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

(ii) Themes

**1. Workshop 'Training of the Trainers' :** A seven day Workshop 'Training for Trainers' was organized in collaboration with Rajiv Gandhi National Institute of Youth Development, Chandigarh on Life skills in the college campus on July 8-14, 2015.  
**2. Seven Day faculty Development Programme:** A seven Day UGC sponsored Faculty Development programme was organised in the college on July 10-16, 2015.

2.14 Significant Activities and contributions made by IQAC

- 1. Conduct the curricular and co-curricular activities as per annual calendar of the college.**
- 2. To encourage the faculty for writing research proposal, research papers and publishing them in reputed journals.**
- 3. Facilitating faculty to attend seminars/conferences.**
- 4. Chalking out to organise seminars/conferences/Training programs for teaching, non-teaching staff and students.**
- 5. Organise Faculty Development Programmes (FDP)**
- 6. Department Schedule of extension activities**
- 7. To procure UGC grants for research labs and other equipments.**

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 \*

<b>Plan of Action</b>	<b>Outcomes/Achievements</b>
1. To conduct the curricular and co-curricular activities as per annual calendar of the college.	1. Task at Sr. No. 1 have been executed as planned.
2. To increase the access of higher education to contribute to the national target of gross enrollment ratio (GER).	2. Task achieved with increase in student intake (from 3749 to 4290).



## Part – B

### Criterion – I

#### 1. 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	10	---	10	0
UG	13	02	10	0
PG Diploma	02	---	02	0
Advanced Diploma	01			01
Diploma	01	---	---	01
Certificate	01	02	---	03
Others				
<b>Total</b>	28	04	22	05
Interdisciplinary				
Innovative				

*For details please see Annexure IV*

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

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

Pattern	Number of programmes
Semester	<b>32 (All)</b>
Trimester	----
Annual	----

1.3 Feedback from stakeholders\* (On all aspects) Alumni  Parents  Employers  Students

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

*\*Please check Annexure-V for analysis of the feedback.*

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

1. Introduction of the Semester system by affiliating university.
2. Implementation of change/ revision/update of regulation or syllabi as and when revised by affiliating university.

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

NO



## Criterion – II

### 2. Teaching, Learning and Evaluation

2.1 Total No. of permanent faculty	Total	Asst. Professors	Associate Professors	Professors	Others
	46+01	32	14	01	---

2.2 No. of permanent faculty with Ph.D. 23

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
	13	33	---	---	---	---	---	---	13	33

2.4 No. of Guest and Visiting faculty and Temporary faculty --- --- **87**

2.5 Faculty participation in conferences and symposia:

No. of Faculty	International level	National level	State level
Attended	06	--	--
Presented papers	15	80	03
Resource Persons	03	02	01

*For details please see Annexure VI*

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

1. College faculty and students are encouraged to use the e-resources/e-books/e-notes for better classroom transaction.
2. All the department maintain a continuous student evaluation programme to evaluate the progress of the students.
3. All departments are provided with projectors and internet facility to enable ICT enabled teaching in class rooms.
4. All departments conduct national / regional seminars / workshops in order to familiarise the students and the staff on the developments taking place in various disciplines.
5. The departments arrange field trips excursion and industrial visits.
6. Besides the lecture method, departments conduct group discussions in the class rooms, paper presentations etc.

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

221+14\*

\* days of mid semester test

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

**Planning and preparation of two MST and question banks**

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

**Faculty members are the members of board of studies of affiliating university and are involved in curriculum restructuring/ revision/syllabus development.**

2.10 Average percentage of attendance of students

80.2%

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.Com Part I	194		182	12	--	100
B.Com Part II	147		120	27	--	100
B.Com Part III	154		105	49	---	100
B.Com Prof. Part I	69		51	18	---	100
B.Com Prof. Part II	57	1.75	40	17	---	100
B.Com Prof. Part III	57	3.5	57	---	---	100
M.Com 1 <sup>st</sup>	38		38	---	---	100
M.Com 2 <sup>nd</sup>	30	6.67	30	---	---	100
B.A. I	444		88	356	88	100
B.A. II	226		61	165	61	100
B.A. III	231		22	208	---	99.6
BSc (Non Med.) Part-I	135		76	59	---	100
BSc (Non Med.) Part-II	112		49	63	---	100
BSc (Non Med.) Part-III	91		40	51	---	100
BSc (Med.) Part-1	62		52	10	---	100
BSc (Med.) Part-II	54		18	36	---	100
BSc (Med.) Part-III	22		13	09	---	100
BSc (Comp. Sci.) Part-1	70		35	35	---	100
BSc (Comp. Sci.) Part-II	43		07	36	---	100
BSc (Comp. Sci.) Part-III	49		26	23	---	100
BSc (MCM.) Part-I	43		5	38	---	100
BSc (MCM.) Part-II	31		7	24	---	100

BSc (Biotech) Part I	29	3.45	25	04	---	100
BSc (Biotech) Part II	35	2.86	11	24	---	100
BSc (Biotech) Part III	14	7.14	08	06	---	100
BSc (Bioinfo.) Part I	10	10.0	03	07	---	100
BSc (Bioinfo.) Part II	07		04	03	---	100
BSc (Bioinfo.) Part III	10	10.0	09	01	---	100
BSc (Fashion Tech) Part I	32	6.25	20	12	---	100
BSc (Fashion Tech) Part II	15	26.67	09	06	---	100
BBA Part I	62		32	30	---	100
BBA Part II	57	1.75	18	39	---	100
BBA Part III	49	2.04	19	30	---	100
BCA Part I	83		31	52	---	100
BCA Part II	62	1.61	27	35	---	100
BCA Part III	87	1.14	35	52	---	100
MSc Chem. Part-I	38		38	---	---	100
MSc Chem. Part-II	32		25	07	---	100
MSc Pharm Chem. Part-I	13	23.07	13	---	---	100
MSc Math Part-I	35		35	---	---	100
MSc Math Part-II	31		16	15	---	100
MSc Bio Tech Part-I	13		09	04	---	100
MSc Bio Tech Part-II	07		07	---	---	100
MSc (Fashion Tech) Part-I	23	8.69	22	01	---	100
MSc (Fashion Tech) Part-II	24	8.33	24	---	---	100
PGDDDT	02		02	---	---	100
PGDCA	24		06	---	---	100
MSc (IT) Part-I	20	5.0	16	04	---	100
MSc (IT) Part-II	13		05	08	---	100
MSc (IT) Part-II (Lateral Entry)	16		08	08	---	100

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

**IQAC monitor the implementation of Annual Academic Calendar. It also analyse the results and compare them with the university results/previous year results and make plan for the improvements wherever needed.**

**As per the analysis and comparison with previous results of the college and with that of the Punjabi University it is found that there is continuous improvement in the academic level and henceforth in the results of the students.**

### 2.13 Initiatives undertaken towards faculty development

<i>Faculty / Staff Development Programmes</i>	<i>Number of faculty benefitted</i>
Refresher courses	---
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.	All faculty
Others	---

*For details please see Annexure VIII*

### 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	<b>06</b>	<b>09</b>	---	<b>19</b>
Technical Staff	<b>08</b>	<b>06</b>	---	<b>04</b>

## Criterion – III

### 3. Research, Consultancy and Extension

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

- IQAC is encouraging the teachers to attend more seminars.
- Proper help and support is given to teachers to avail themselves of faculty improvement programme
- Notifications of research projects from various institutions are brought to the notice of teachers in order to enable them to apply for the programmes.

#### 3.2 Details regarding major projects: NIL

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

3.3 Details regarding minor projects: NIL

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

3.4 Details on research publications

	International	National	Others
Peer Review Journals	24	17	--
Non-Peer Review Journals	--	--	--
e-Journals	01	--	--
Conference proceedings	--	--	--

*For details please see Annexure IX*

3.5 Details on Impact factor of publications:

Range  Average  h-index  Nos. in SCOPUS

**Annexure -IX**

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 <i>(other than compulsory by the University)</i>	---	---	---	---
Any other(Specify)	---	---	---	---
Total	---	---	---	---

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

ii) Without ISBN No.

*For details please see Annexure X*

3.8 No. of University Departments receiving funds from: Nil

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

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

3.10 Revenue generated through consultancy

3.11 No. of conferences organized by the Institution

Level	International	National	State	University	College
Number	---	02	01	---	01
Sponsoring agencies	---	---	---	---	---

*For details please see*

*Annexure XI*

3.12 No. of faculty served as experts, chairpersons or resource persons  (see Annexure XII)

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 : **Nil**

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 : **NIL**

Total	International	National	State	University	Dist	College

3.18 No. of faculty from the Institution who are Ph. D. Guides   
and students registered under them

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

University level	---	State level	43
National level	06	International level	52

3.23 No. of Awards won in NSS:

University level	06	State level	12
National level	X	International level	X

3.24 No. of Awards won in NCC:

University level	0	State level	12
National level	0	International level	0

3.25 No. of Extension activities organized

University forum	---	College forum	06
NCC	13	NSS	12
		Any other	

3.26 Major Activities during the year in the sphere of extension activities and Institutional Social Responsibility (**Annexure - XIII & XIV**)

## Criterion – IV

### 4. Infrastructure and Learning Resources

4.1 Details of increase in infrastructure facilities:

Facilities	Existing (sq.m)	Newly created	Source of Fund	Total
Campus area	21780.93 (Built up- 26074.46 sq. m)	---	---	21780.93 (Built up- 26074.46 sq. m)
Class rooms	46	12	---	58
Laboratories	28	---	---	28
Seminar Halls	1	0	---	1
No. of important equipments purchased (≥ 1-0 lakh) during the current year.	---	---	---	---
Value of the equipment purchased during the year (Rs. in Lakhs)	---	2.09	---	2.09
Others (Lecture hall)	02	0	---	02

#### 4.2 Computerization of administration and library

The administrative office of the college is fully computerized, while the work in direction for up-gradation of computerized library is in process.

#### 4.3 Library services:

	Existing		Newly added		Total	
	No.	Value	No.	Value	No.	Value
Text Books	<b>58852</b>		<b>188</b>	<b>17859</b>	<b>59,040</b>	---
Reference Books	<b>1800</b>		<b>200</b>		<b>2000</b>	---
e-Books	<b>97,000+</b>				<b>97,000+</b>	---
Journals	<b>65</b>		---		<b>53</b>	382300
e-Journals*	<b>6000+</b>		---		<b>6000+</b>	---
Digital Database						---
CD & Video	<b>100</b>				<b>100</b>	---
Others (magazines)	<b>27</b>		---		<b>27</b>	---

\*Subscription of INFLIBNET-NLIST journals.

#### 4.4 Technology up gradation (overall)

	Total Computers	Computer Labs	Internet	Browsing Centres	Computer Centres	Office	Departments	Others
Existing	158	7	6	10	01	8	26	---
Added	---	---	---	---	---	---	---	01
Total	158	7	6	10	01	8	26	01

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

Computer facility is available in all the departments, library and administrative offices. Internet facility will be made available to the students in the college library and in the departments.



4.6 Amount spent on maintenance in lakhs :

i) ICT	6.05
ii) Campus Infrastructure and facilities	21.04
iii) Equipments	15.21
iv) Others	3.26
<b>Total :</b>	<b>45.56</b>

## Criterion – V

### 5. Student Support and Progression

5.1 Contribution of IQAC in enhancing awareness about Student Support Services

Planning for teaching, learning, infrastructure facilities formulation and execution techniques. The IQAC renders information and support that the students on the campus and the alumni need. Planning for co –curricular support. It also ensures that the students are provided with skills and competencies needed for successful competition in the employment market. Through its student representative, the IQAC also establishes contact with the students union and ensures its proper and healthy work.

5.2 Efforts made by the institution for tracking the progression

Departments collect data about the student's performance in teaching, learning and their participation in extracurricular activities. Based on the analysis of the data, proper guidance is given to the students and their parents.

5.3 (a) Total Number of students

UG	PG	Ph.D.	Others
<b>3780</b>	<b>510</b>	<b>17*</b>	<b>---</b>

(b) No. of students outside the state

<b>343</b>
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(c) No. of international students

<b>03</b>
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Men	No	%	Women	No	%
	<b>2312</b>	<b>53.90</b>		<b>1978</b>	<b>46.10</b>

Last Year						This Year					
General	SC	ST	OBC	Physically Challenged	Total	General	SC	ST	OBC	Physically Challenged	Total
<b>2987</b>	<b>206</b>	<b>--</b>	<b>348</b>	<b>02</b>	<b>3745</b>	<b>3597</b>	<b>156</b>	<b>05</b>	<b>343</b>	<b>03</b>	<b>4290</b>

Demand ratio: **1.81**

Dropout % : **0.67**

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

Nil

No. of students beneficiaries

Nil

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

☞ Finishing School Activities  
 ☞ Orientation Programme for the Entry Level Students

No. of students benefitted

236

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
<b>10</b>	<b>163</b>	<b>50</b>	<b>27</b>

5.8 Details of gender sensitization programmes

NSS play a major role in bringing revolutionary changes in the college and society. Girls are trained to take a lead role. Legal awareness classes are provided especially to the girl students. In addition programs like Save the Beti Bachao - Beti Padhao and Dhian di Lohri are organised at the college campus (**Annexure- XIII & XIV**).

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   
 (See Annexure XV)

Cultural: State/ University level  National level  International level   
 (See Annexure XVI)

5.10 Scholarships and Financial Support

	Number of students	Amount
Financial support from institution	360	46,53,543/-
Financial support from government	47	5,69,054/-
Financial support from other sources	38	3,78,425/-
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  (see Annexure XVII)

5.13 Major grievances of students (if any) redressed:

**Regarding regular maintenance and sanitation issues are addressed and resolved.**

## Criterion – VI

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

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

To be a forward-looking institution which provides quality education at affordable price and make the students humane and conscious of contemporary societal concerns.

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

Yes, the college has its own Management Information System. As a matter of policy, regular upgradation is done and introduction of computerized system is a step in this direction. Computerization of the Library and Offices is near completion. Once this process is completed our MIS will be able to make our delivery system transparent, quick and effective.

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

##### 6.3.1 Curriculum Development

Our teachers/HODs discuss issues related to curriculum development in the departmental committees. Based on this feedback, our teacher, who are members of the boards of UG/PG studies of Punjabi University, contribute in curriculum development. Unit planning of the curriculum is done by the departments in the beginning of the session.

##### 6.3.2 Teaching and Learning

New teaching methodologies, such as case studies, project work, seminars by the students and group discussions are used.

- New techniques based on ICT such as PPTs Projectors, links on various sites, e-journals and INFLIBNET etc. are being used to make the teaching aligned with the changing environment.
- Infrastructure support to augment the facilities for improving class room transaction practices.
- Teachers are encouraged to participate in seminars, workshops and conferences to update themselves. They are allowed duty leave for these days.

### 6.3.3 Examination and Evaluation

House Examination / MSTs are conducted twice on University pattern during the session.

- Special House Examination is conducted for those who were busy attending sports camps/events or other co-curricular activities during the regular exam days or those students who fail to appear in or failed to qualify the regular house examination.
- Super special House Examination is conducted after remedial classes for those students who still do not qualify this examination.
- Evaluated Answer Books are returned to the students with suggestions for improvement. Consolidated result is prepared and analysed by the Register Office and the same is conveyed to students by displaying on the notice boards.

### 6.3.4 Research and Development

Out of permanent teaching staff in the college, 06 teachers are supervising students for their Ph.D. degree and 17 students have been enrolled as Ph.D students. Twelve (12) faculty members are also pursuing Ph.D.

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

During the academic year 188 books were added to the college library. Beside this library is under process for its computerized up-gradation in order to provide efficient, fast and easy access to the students/faculty for finding required books available in the library. Twelve new class rooms, as a separate commerce block have also been developed in the academic year.

### 6.3.6 Human Resource Management

Benefits under CAS are extended to the staff members on the basis of API score without any delay.

- Adhoc teachers with good track record are re-inducted every year which provides them sense of security and belongingness.
- A system is in place for increasing the financial benefit of adhoc staff members.
- Despite the financial crunch of the state govt. and non-receipt of grants in time, salaries and retiral benefits are being paid regularly in time.

### 6.3.7 Faculty and Staff recruitment

Vacant posts are advertised in leading newspapers and online as well.

- The college remains in touch with heads of the departments of the Universities in surrounding area. This helps us to hire brilliant students through their recommendations.
- Perpetual system of receiving resume is in place. Whenever the need arises, suitable applicants are called for interview and selection is made on the basis of merit.

### 6.3.8 Industry Interaction / Collaboration

Various departments of the college have established a reasonably good linkage with the neighbouring industries for doing students project report.

### 6.3.9 Admission of Students

- Merit based admissions are done after the publication of Admission Notice in leading newspapers.
- Admissions under reservation policy of the state govt. are also done strictly as per rules.

### 6.4 Welfare schemes for

Teaching	Children of the staff members get fee concession during their studies in the college.
Non teaching	Winter and Summer Uniforms are provided to all the class IV employees (peons, gardeners, chowkidars, and sweepers). Some of them are accommodated in the college premises with their families.
Students	All kinds of scholarship schemes for students by state govt. as well as the central govt are implemented here. College also provide fee concessions to meritorious student and economically weaker students. In addition, supports participation and appreciation of exemplary sports persons. Apart from this, teachers also help the needy students financially from their personal finances.

6.5 Total corpus fund generated

Nil

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	Yes	Affiliating University	Yes	Chairman/ Principal of college
Administrative	No	--	Yes	Chairman/ Principal of college

6.8 Does the University/ Autonomous College declares 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?

Punjabi University, Patiala has implemented the semester system of examinations in a phased manner. This system makes the teachers and the students focused on studies for whole of the year.

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

So far, only one college affiliated to the University has got the status of autonomous College. The colleges affiliated to the University are not able to appreciate the implications of this change on the working of the colleges. However, our college will review the matter from time to time and act accordingly.

6.11 Activities and support from the Alumni Association

The alumni of the college have been associated with the activities of the college. Prof. Ashok K, Malik, Dr. B. B. Singla, Dr. Neeraj Sharma, Dr. Kanwaljit Singh and Dr. Dhiraj Sharma - all the teachers from Punjabi University, Patiala have visited the college and participated in the seminars/conferences etc.

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

-N.A-

#### 6.13 Development programmes for support staff

Our college provides promotional avenues for the support staff on the basis of their qualification, dedication and commitment to their work. Some of them joined the college as peons have risen to level of lab assistant and clerk.

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

- Herbal and ornamental trees have been planted in the botanical garden of the college.
- As a part of recycling of dead leaves, compost pit is dug and the manure from green leaves is used for improving the quality of soil for other plants.
- Plants near the chemistry laboratories to remove indoor pollutants that affect health are formaldehyde, Volatile Organic Compounds (benzene and trichloroethylene or TCE), airborne biological pollutants, carbon monoxide and nitrogen oxides etc.



## 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.

- Hands on experience trainings to students
- Faculty development Program
- Visits to institutes of repute/industries and expeditions for field data/specimen collection

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

**See annexure XVIII**

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

1. Research initiations and organising National Research Conferences viz. Recent advances in chemical and environmental sciences (RACES)
2. Sports encouragement and achievements

*\*For Details please see Annexure- VII, IX and XV*

7.4 Contribution to environmental awareness / protection

- Organised Tree plantation drive in association with Basant Ritu Club (an NGO)
- Special lectures on Environment Protection.

7.5 Whether environmental audit was conducted? Yes  No

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

Strengths:

- Philanthropic and dedicated management committed to the cause of delivering quality education.
- Well qualified and experienced teaching faculty
- College located in the heart of the city
- College ranked among the top 10 educational institutions of Northern States in Science and Commerce in the surveys published by The Tribune on 08/04/2016.

Weaknesses:

- Recruitment of faculty on adhoc basis because of the State Govt. policy to not to recruit teachers against the vacant posts covered under grant-in-aid scheme.
- Difficulty in hiring and retaining competent teachers because of fixation of salaries which are not commensurate with their high academic qualification.
- Non-availability of auditorium and hostel facility.

Opportunities:

- Proximity to very reputed public and convent schools whose passouts in large numbers seek admission in our college. These students have high quality bench mark which can be improved through skill development programmes easily.
- Whole hearted support from the management for initiatives to start new courses.
- A large number of our own PG students provide enough scope for UGC/NET guidance and soft skill development programmes.

Threats:

- Reputed Govt. Colleges in the surrounding area charge much less fees as per govt. rules.
- Emergence of new autonomous colleges and private universities in the surrounding area.

## 8. Plans of institution for next year

- To initiate discussion on the recommendations made through brain storming and orient the Departments of the college towards quality enhancement.
- To invite experts from other institutions of excellence for their inputs in college's initiatives.
- To promote collaborative research with National/International academic institutions/ industries.
- To promote the faculty member for submission of proposals for research grants.
- To inculcate the environment for more use of ICT in classrooms.
- Introduction of MOOC modules: Explore the possibilities for MOOC modules, formalize the process and encouragement to faculty through reward for MOOC modules.
- To promote the inter-disciplinary research programmes for teachers and students through research cell.
- To formalize the process/mechanism for consultancy activities.
- To devise a mechanism for the exhaustive feedback from all stakeholders.
- To promote the research and publications activities by exploring the possibilities of publication of in-house magazines.
- To link and strengthen the various data entry softwares (admissions, library, accounts and results) to form complete MIS.
- To identify a target group through Placement Cell and increase in soft skills training for employment under finishing school program.
- To submit the annual (2015-16) quality assurance report (AQAR) to NAAC.

Name \_\_\_\_\_

Name \_\_\_\_\_

\_\_\_\_\_  
*Signature of the Coordinator, IQAC*

\_\_\_\_\_  
*Signature of the Chairperson, IQAC*

\_\_\_\_\_\*\*\*\_\_\_\_\_

## Annexure-I

### Abbreviations:

CAS	-	Career Advanced Scheme
CAT	-	Common Admission Test
CBCS	-	Choice Based Credit System
CE	-	Centre for Excellence
COP	-	Career Oriented Programme
CPE	-	College with Potential for Excellence
DPE	-	Department with Potential for Excellence
GATE	-	Graduate Aptitude Test
NET	-	National Eligibility Test
PEI	-	Physical Education Institution
SAP	-	Special Assistance Programme
SF	-	Self Financing
SLET	-	State Level Eligibility Test
TEI	-	Teacher Education Institution
UPE	-	University with Potential Excellence
UPSC	-	Union Public Service Commission

\*\*\*\*\*

## **Annexure - II**

### **IQAC Members (2015-2016)**

#### **Faculty**

1. Mr. Nirmal Singh
2. Mrs. Poonam Malhotra
3. Mr. Sharwan Kumar
4. Mrs. Shailendra Kaur
5. Dr. Ashwani Sharma
6. Mr. Ganesh Sethi
7. Dr. Sanjay Kumar
8. Dr. Deepika Jindal

#### **Administrative/Technical Staff**

1. Sh. Ajay Gupta
2. Sh. Vinod Sharma

#### **Students**

1. Mr. Vipul Batra (M.Sc. Chemistry)
2. Ms. Priyanka Garg (M.Sc. Biotechnology)
3. Mr. Navneet Singh (M.Sc. IT)
4. Ms. Harsimran Kaur (M.Com.)
5. Mr. Gagandeep Singh (M.A. Punjabi)

#### **Management representative**

1. Sh. Surindra Lal

#### **Alumni & External Expert**

1. Dr. B. B. Singla

#### **Employer/Industrialist**

1. Col. Karminder Singh

#### **Meetings – 02**

#### **IQAC initiatives /Activities**

1. Faculty Development Programme (FDP)
2. Department Schedule of extension activities
3. Unit Planning

## Annexure – III

### Academic and Co-academic Calendar: 2015-16

<b>Opening of the college after Summer Vacation</b>	30 June, 2015
<b>Admission for Degree Classes (Without late fee)</b>	Up to 14 July, 2015
<b>Admission for PG Classes</b>	As per Pbi. Univ. Schedule
<b>Commencement of the Academic Session</b>	15 July, 2015
<b>Vacation Schedule</b>	
Summer Vacation	29 May to 29 June, 2015
Autumn Vacation	26 Sept to 03 Oct, 2015
Winter Vacation	24 Dec, 2015 to 5 Jan, 2016
<b>House Exam Schedule (Annual System)</b>	
House Exam.	7 to 22 Dec, 2015
Special House Exam.	4 to 9 Feb, 2016
<b>House Exam Schedule (Semester System)</b>	
Odd Semester MSTs-I	1st Week of Sept. 2015
Odd Semester MSTs-II	Last Week of Oct. 2015
Even Semester MSTs-I	1st Week of March 2016
Even Semester MSTs-II	15 April, 2016 onwards
<b>University Semester Exams.</b>	
Odd Semester	26 Nov, 2015 onwards
Even Semester	13 May, 2016 onwards

### CO-ACADEMIC CALENDAR

• Workshop on Art and Craft	6-15 July, 2015
• Orientation Week (for entry level students)	15-21 July, 2015
• Enrolment of players for various sports	15 July, 2015 onwards
• Enrolment of NCC and NSS	15 July to 13 Aug, 2015
• Training workshop on Plant Tissue Culture	7-8 Sept., 2015
• Talent Hunt - 2015	19 Sept, 2015
• Workshop on Waste Management	24-30 Sept., 2015
• NSS Camp	24-30 Sept., 2015
• Ru-b-ru with a Punjabi Writer	Oct., 2015
• 2nd-National Symposium on Emerging Trends in Biological Sciences	10 Oct., 2015
• 'Technoquest' by the Comp. Sc. Dept.	15 Oct, 2015
• Science Fair	17 Oct, 2015
• Essay Writing Competition	20 Oct, 2015
• Books Exhibition	20 Oct, 2015
• Modi Jayanti	21 Oct, 2015
• Blood Donation Camps	Oct 2015

*(and on the requisition of GRMCH, Patiala)*

- Extension Lectures 1<sup>st</sup> week of Nov. 2015
- Tours and Excursions Oct. 2015 and March, 2016
- Conference by Department of Commerce Oct./Nov., 2015
- Release of the College Magazine Oct., 2015
- Workshop by Dept. of English Nov., 2015
- National Science Conference (RACES) 15-16 Jan., 2016
- Workshop on Direct and Indirect Taxes 17 Jan., 2016
- Exhibition by the Dept of Fashion Designing 7 Feb., 2016
- Symposium of Mathematics 19 Feb. 2016
- Prize Distribution Function / Convocation March, 2016
- Finishing School Programme Week April, 2016  
(for outgoing students)
- Remedial Classes April, 2016

## Annexure - IV

### LIST OF ACADEMIC PROGRAMS

- ◆ Post-Graduate Courses
  1. M.Sc. (Chemistry)
  2. M.Sc. (Pharmaceutical Chemistry)
  3. M.Sc. (Biotechnology)
  4. M.Sc. (Mathematics)
  5. M.Sc. (IT)
  6. M.Sc. (IT) Lateral entry
  7. M.Sc. (Fashion Designing)
  8. M.Sc. (Food & Nutrition)
  9. M.Com.
  10. M.A. (Punjabi)
  
- ◆ Under-Graduate Courses
  1. B.Sc. (Non-Medical)
  2. B.Sc. (Medical)
  3. B.Sc. (Computer Science)
  4. B.Sc. (Biotechnology)
  5. B.Sc. (Bioinformatics)
  6. B.Sc. (Mathematics Hons.)
  7. B.Sc. (Computer, Stat. & Math.)
  8. B.Sc. (Fashion Designing)
  9. B. Com.
  10. B. Com. (Hons.)
  11. B. A.
  12. Bachelor of Business Administration (BBA)
  13. Bachelor of Computer Administration (BCA)
  14. B.Voc. (Industrial Waste Treatment Technology)
  15. B.Voc. (Software Development)
  
- ◆ Diploma Courses
  1. Post-Graduate Diploma in Computer Applications (PGDCA)
  2. Post-Graduate Diploma in Dress Designing & Technology (PGDD&T)
  
- ◆ Certificates/Diploma/Advanced Diploma (UGC Sponsored Add on Courses)
  1. Journalism
  2. Spoken English for Communication Skill
  3. Computerized Accounting



## **ANNEXURE - V**

### **Analysis of feedback from various stakeholders**

#### **Feedback from the parents**

##### **Strengths**

- Dedication of faculty towards their duty.
- Faculty qualification
- Good rapport with the students.

##### **Weaknesses**

- Water and sanitation.
- Counselling and Placement services.

#### **Feedback from the Under-graduate students**

##### **Strengths**

- Dedication of faculty towards their duty.
- Faculty qualification
- Commitment, punctuality and class room culture
- Co-Curricular activities
- Science laboratories.

##### **Weaknesses**

- Water and sanitation.
- Industry collaboration
- Alumni support
- Security system

#### **Feedback from the Post-graduate students**

##### **Strengths**

- Computer and IT infrastructure
- Effective implementation of syllabus.
- Dedication of faculty towards their duty.
- Faculty qualification
- Punctuality and class room culture

##### **Weaknesses**

- Water and sanitation.
- Industry collaboration
- Alumni support
- Placement services.

### **Feedback from staff members**

- Maximum class attendance by the students should be ensured by taking strict measures against the absent students.
- While assigning special duties every faculty member should be given a fair chance to show ones efficiency.
- Subject distribution should be done fairly in advance so that every teacher gets enough time to prepare well in advance.
- Laboratory conditions to be improved by improving infra-structure and equipment conditions.
- Smart class rooms should be introduced for postgraduate classes.
- Outdoor activities for the students to be increased like trips, industrial tours etc.
- Tutorial groups should be introduced.
- Faculty welfare club should be formed.
- Number of books to be issued from library to faculty members should be increased.
- Condition of staff rooms, washrooms and staff canteen should be improved.
- Workshops for the enrichment of faculty should be organized on regular basis.
- Use of mobile phone by faculty members should be prohibited while taking classes.
- Basic pay structure for ad-hoc staff to be revised as per UGC norms.
- Duty leaves should be increased from one to two days for professional development of teachers.
- Internet facility should be provided to all the departments.

## Annexure - VI

**Details of International/National/State level Conferences / Seminars / Workshops in which faculty members participated / presented papers:**

**(a) International:**

**Dr. Khushvinder Kumar (Principal)**

- (i) **Theme:** Spirituality and Management (Chief Panelist)  
**Place:** SGTB Khalsa College, Anandpur Sahib  
**Date:** 27 Nov., 2015
- (i) **Theme:** 'Impact of Globalization on Values' (Key Note Address)  
**Place:** Govt. College of Education Patiala  
**Date:** 24 Feb., 2016
- (ii) **Theme:** 'Morality and Current situation of Punjabi' (Resource Person)  
**Place:** Punjabi People Organization at Bhasha Bhawan, Patiala  
**Date:** 23 March, 2016

**Mr. Balvir Singh, Dr. Harcharan Singh, Dr. Gurdeep Singh and Dr. Manjit Kaur (Punjabi)**

**Theme:** ਪੰਜਾਬੀ ਨਾਟਕ ਤੇ ਰੰਗਮੰਚ: ਪ੍ਰਾਪਤੀਆਂ ਤੇ ਸੰਭਾਵਾਂ (ਵਿਸ਼ਵ ਪੰਜਾਬੀ ਸਾਹਿਤ ਕਾਨਫਰੰਸ) (Participation)

**Place:** Punjabi University, Patiala

**Dates:** 9 - 11 Dec., 2015

**Dr. Gurdeep Singh and Dr. Davinder Singh (Punjabi)**

- (i) **Theme:** 32<sup>nd</sup> International Punjabi Development Conference (Participated)  
**Place:** Punjabi University, Patiala (DPD)  
**Dates:** 29 Feb. – 2 March, 2016

**Dr. Ashwani Kumar Sharma (Botany)**

- (i) **Theme:** Some interesting Species of Xylaria Hill ex Shrank from Eastern Himalayas (Oral Presentation)  
**Place:** Asian Mycological Congress held at Goa University, Panji  
**Date:** 7-10 Oct., 2015
- (ii) **Theme:** 'Global Warming and Climate Change' in 1<sup>st</sup> International Conference on 'Emerging Trends in Commerce, Management and Environment Sciences' (ETCMES-2016)  
**Place:** Dept. of Commerce and Management, Govt. Mohindra College, Patiala  
**Dates:** 15-16 Jan., 2016.

**Dr. Rajeev Sharma (Chemistry)**

**Theme:** 'Environment Management' in 1st International Conference on 'Emerging Trends in Commerce, Management and Environmental Sciences' (Resource Person)

**Place:** Govt. Mohindra College, Patiala

**Dates:** 15-16 Jan., 2016

**Mrs. Jagdeep Kaur (Geography)**

**Theme:** 'Global Warming and Climate Change' in 1<sup>st</sup> International Conference on 'Emerging Trends in Commerce, Management and Environment Sciences (ETCMES-2016)'.

**Place:** Dept of Commerce and Management, Govt. Mohindra College, Patiala

**Dates:** 15-16 Jan., 2016.

**Dr. Neeraj Goyal (Business Management)**

(i) **Theme:** Role of Value Education for Students

**Place:** SGTB Khalsa College, Sri Anandpur Sahib

**Dates:** 27-28 Nov., 2015

(ii) **Theme:** 'Sustainability Reporting Practices-Study of BSE SENSEX Companies' in 'Emerging Trends in Commerce Management and Environmental Sciences'

**Place:** Govt. Mohindra College, Patiala

**Dates:** Jan. 15-16, 2016

**Dr. Ajit Kumar (Computer Science)**

(i) **Theme:** Transliteration System: Punjabi to English

**Place:** Third Regional International Conference on National Language Processing (Reg Con-2015), Punjabi University, Patiala

**Dates:** 18-19 Sept., 2015

(ii) **Theme:** Statistical Post Editing System (SPES) Applied to Hindi-Punjabi PB-SMT System

**Place:** Punjabi University, Patiala

**Dates:** 18-19 Sept., 2015

**Mr. Ganesh Kumar Sethi and Mr. Harmohan Sharma (Computer Science)**

**Theme:** 'Globalization and its Impact on Indian Culture' in International Seminar on 'Impact of Globalization on Values'.

**Place:** Govt College of Education, Patiala in collaboration with CTE Punjab and Chandigarh Chapter and State College Alumni Association

**Date:** 24 Feb., 2016

**Mr. Sumeet Kumar (Computer Science)**

(i) **Theme:** 'Computer Application in Financial Decision Making' in 1<sup>st</sup> International Conference on 'Emerging Trends in Commerce, Management and Environment Sciences (ETCMES-2016)'.

**Place:** Govt. Mohindra College, Patiala

**Dates:** 15-16 Jan., 2016

**Mr. Rohit Sachdeva (Computer Science)**

(i) **Theme:** 'Application of Computer in Business Decision Making' in the conference 'Emerging Trends in Commerce, Management and Environmental Sciences'.

**Place:** Government Mohindra College, Patiala

**Dates:** 15-16 Jan., 2016

**Dr. Kuldeep Kumar (Biotechnology)**

**Theme:** Potentiometric Biosensor for Asparagines Detection

**Place:** 4<sup>th</sup> International Conference and Exhibition of Biosensors and Bioelectronics at Atlanta, USA.

**Date:** 28-30 Sept., 2015

**Dr. Deepika Singla (Commerce)**

**Theme:** Spirituality and Management

**Place:** SGTB Khalsa College, Anandpur Sahib

**Dates:** 27-28 Nov., 2015

**Mrs. Parminder Kaur (Commerce)**

**Theme:** Moral Value Education - the Need of the Hour

**Place:** SGTB Khalsa College, Anandpur Sahib

**Dates:** 27-28 Nov. 2015

**Dr. Varun Jain (Mathematics)**

- (i) **Theme:** Integrability of GCR-lightlike submanifolds of indefinite Kaehler manifolds

**Place:** Shri Mata Vaishno Devi University, Katra, Jammu & Kashmir

**Dates:** 8-9 October, 2015

- (ii) **Theme:** *Lightlike submanifolds of indefinite Trans-Sasakian manifolds*

**Place:** NIT, Nagpur, India

**Dates:** 27-30 Nov., 2015

- (iii) **Theme:** *Radical Transversal lightlike submanifolds of indefinite Kaehler manifolds*

**Place:** University of Allahabad, Allahabad

**Dates:** 22-24 December, 2015

- (iv) **Theme:** 'Mathematical application in Financial Decision making.' in 1<sup>st</sup> International Conference on 'Emerging Trends in Commerce, Management and Environment Sciences (ETCMES-2016)'

**Place:** Dept of Commerce and Management, Govt. Mohindra College, Patiala

**Dates:** 15-16 Jan., 2016.

**Mrs. Vaneet Kaur (English):**

**Theme:** 'A Study of Punjabi /Sikh Community in the Select Diasporic Literature' at conference 'Diaspora and Development: Emerging Multidisciplinary Dynamics of Indian/Punjabi Migration'.

**Place:** UGC Centre for Diaspora Studies, Punjabi University, Patiala

**Dates:** 24-26 February, 2016

**Dr. Bhanvi Wadhawan (Zoology):**

**Theme:** 1<sup>st</sup> International Conference on 'Emerging Trends in Commerce, Management and Environment Sciences (ETCMES-2016)' (Participated)

**Place:** Dept of Commerce and Management, Govt. Mohindra College, Patiala

**Dates:** 15-16 Jan., 2016.

**National:**

**Dr. Khushvinder Kumar (Principal)**

- (i) **Theme:** Skill Development in Higher Education (Chief Panelist)  
**Place:** A.S. College, Khanna  
**Date:** 22 Aug., 2015
- (ii) **Theme:** Issues and Challenges for Quality Teacher Education in Perspective of NCTE Regulation - 2014  
**Place:** Nalanda College of Education, Dehradun (Chaired the session)  
**Date:** 4 Oct., 2015
- (iii) **Theme:** A Report on Outcomes of Brainstorming Session of CTE (Punjab and Chandigarh Chapter)  
**Place:** Nalanda College of Education, Dehradun  
**Date:** 31<sup>st</sup> Oct., 2015
- (iv) **Theme:** Promoting Teachers and Administratives as Researchers (organised by Skylark Education Experts and CTE)  
**Place:** Amritsar  
**Date:** 26 Nov., 2015
- (v) **Theme:** Mathematics Education (Chief Panelist)  
**Place:** DAV College of Education, Nawanshahar  
**Date:** 21 Nov., 2015
- (vi) **Theme:** 'NAAC Accreditation: Methodology, Process and Problems' (Resource Person)  
**Place:** Guru Nanak College for Girls Mukatsar  
**Date:** 29 March, 2016
- (vii) **Theme:** 'Skill of Explanation' (Resource Person)  
**Place:** AS College Khanna  
**Date:** 2 May, 2016
- (viii) **Theme:** 'Structure of Mathematics' (Resource Person)  
**Place:** DST Inspire Programme at GHG Khalsa College of Education, Gurusar Sadhar  
**Date:** 25 March, 2016

**Dr. Ashwani Sharma (Botany)**

- (i) **Theme:** 'Sex and Gender' at national seminar on 'Beti Bachao – Beti Padhao'  
**Place:** SA Jain (PG) College, Ambala City  
**Dates:** 12 March, 2016

### **Dr. Rajeev Sharma (Chemistry)**

He is on the editorial board of: 'Journal of Chemistry, Environmental Sciences and its Applications' Chitkara University, Rajpura and 'Current Trends in Biological and Chemical Research', M M University, Mullana.

- (i) **Theme:** Glossary of Pharmacology (Workshop by CIIL – Mysore)  
**Place:** Punjabi University, Patiala  
**Date:** 11-18 Sept., 2015
- (ii) **Theme:** How to Write a Scientific Paper?  
**Place:** DAV College of Education, Hoshiarpur  
**Date:** 24 Dec., 2015
- (iii) **Theme:** Plagiarism : How to Avoid it (Annual Conference of ICCR)  
**Place:** DAV College of Education, Hoshiarpur  
**Date:** 24 Dec., 2015
- (iv) **Theme:** 'Human Rights and Sikhism' at national seminar on Human Rights in India.  
**Place:** Dayanand College, Ajmer  
**Date:** 9<sup>th</sup> Jan., 2016
- (v) **Theme:** 'An Islamic perspective of Human Rights' at National Seminar on Human Rights in India  
**Place:** Dayanand College, Ajmer  
**Date:** 9<sup>th</sup> Jan., 2016
- (vi) **Theme:** 'Women Entrepreneurship in Rajasthan – Problems and Prospects' at National Conference on 'Entrepreneurship Global Economy and Sustainable development'.  
**Place:** Dayanand College, Ajmer (Rajasthan)  
**Dates:** 15-16 Jan., 2016
- (vii) **Theme:** 'Effect of Mercury on envisaged human health' at Seminar and Workshop on Chemistry – Our life our recognition in society.  
**Place:** Govt. Brijindra College, Faridkot  
**Date:** 19-20 Jan. 2016
- (viii) **Theme:** 'Indoor Pollutants – A threat to human health' at National Seminar on 'Chemistry and Industrial, Globalization, Environmental Pollution and It's Chem-Biological significance'  
**Place:** Govt. Post Graduate College, Ambala  
**Dates:** 11 Feb., 2016
- (ix) **Theme:** 'Sangeet Rahi Samaj Vich Rashtriya Ekta Da Vikas' at Seminar on 'Secular and Religious Music in Punjab: Growth and Evolution'.  
**Place:** Guru Gobind Singh College for Women, Chandigarh  
**Date:** 27 Feb., 2016

- (x) **Theme:** 'Environmental Pollution and Management' at National Seminar on 'Contemporary Development issues in Northern India'.  
**Place:** Punjabi University, Patiala  
**Date:** 27-28 Feb., 2016
- (xi) **Theme:** 'Sustainable Development: Conceptual Approach' at National Conference on 'Environmental Sustainability and Social Dynamics NAT-EN-16' (Resource Person).  
**Place:** Rajiv Gandhi National University of Law, Patiala and Punjab Pollution Control Board  
**Date:** 5 March, 2016
- (xii) **Theme:** 'Gender Bias in Indian Society' at National Seminar on 'Beti Bachao – Beti Padhao'.  
**Place:** S.A. Jain (PG) College, Ambala City (Haryana)  
**Date:** 12 March, 2016
- (xiii) **Theme:** 'Life Skills for Stress Management among Youth' at CTE Annual State Conference, and National Seminar on 'Life Skill Education: Equipping for Life' - 2016.  
**Place:** Mata Sahib Kaur Khalsa Girls College of Education, Patiala  
**Date:** 16 March, 2016
- (xiv) **Theme:** 'Good Governance – A Key to Success for special 7 Day NSS Camp' at National Seminar on Governance in the 21<sup>st</sup> Century.  
**Place:** Punjabi University, Patiala  
**Dates:** 30<sup>th</sup> March, 2016
- (xv) **Theme:** 'Application of Coordination Compounds in Medicine Biology' at National Conference on 'Recent Advances in Chemical Sciences'.  
**Place:** S.D. (PG) College, Panipat (Haryana)  
**Dates:** 30-31 March, 2016

**Mrs. Jagdeep Kaur (Geography)**

- (i) **Theme:** Co-authored paper 'Sex and Gender' at National Seminar on 'Beti Bachao – Beti Padhao'  
**Place:** SA Jain (PG) College, Ambala City  
**Dates:** 12 March, 2016
- (ii) **Theme:** 'Good Governance – A Key to Success for special 7 Day NSS Camp' at National Seminar on Governance in the 21<sup>st</sup> Century.  
**Place:** Punjabi University, Patiala  
**Date:** 30 March, 2016

**Dr. Neeraj Goyal (Business Management)**

- (i) **Theme:** Developing Employability Skills in Higher Education  
**Place:** A S College, Khanna  
**Date:** 22 August 2015



- (ii) **Theme:** Research Ethics in Management Education  
**Place:** DAV College of Education, Hoshiarpur  
**Dates:** 24 December, 2015
- (iii) **Theme:** 'Sustainability Reporting under International Financial Reporting Standards' at conference 'Contemporary issues and Challenges in Business Environment'.  
**Place:** Govt. PG College, Ambala  
**Date:** 6 Feb.,2016
- (iv) **Theme:** 'Corporate Sustainability Auditing - A Look into Indian Corporate Sector' at conference 'Chemistry of Industrial Globalisation, Env, Pollutions and its Chem-Biological Significance'.  
**Place:** Govt. PG College, Ambala  
**Dates:** 11 Feb.,2016
- (v) **Theme:** 'Environment Costs of Mobile Phones' at conference 'Recent Advances in Chemical, Biological and Environmental Sciences'.  
**Place:** M M Modi College, Patiala  
**Dates:** 19-20 Feb.,2016
- (vi) **Theme:** 'Social Media Marketing – Challenges and Strategies' at conference 'Relationship Marketing through Social Networking Sites'.  
**Place:** Kamla Lohtia S D College, Ludhiana  
**Dates:** 5 March, 2016
- (vii) **Theme:** 'Role of ICT in Protecting Women Rights' at 'Beti Bachao – Beti Padhao'  
**Place:** SA (Jain) College, Ambala City  
**Dates:** 12 March, 2016
- (viii) **Theme:** 'Business Optimisation Using Mathematical Programming' at conference 'Latest Trends in Algebra and Analysis'.  
**Place:** Guru Nanak Khalsa College, Karnal  
**Dates:** 19 March, 2016
- (ix) **Theme:** 'Role of ICT Tools in e-Governance' at conference 'Governance in the 21<sup>st</sup> Century'.  
**Place:** Punjabi University, Patiala  
**Date:** 30 March, 2016

**Mr. Ganesh Kumar Sethi (Computer Science)**

- (i) **Theme:** 'e-Waste-A Looming Threat' at One Day National Conference on 'Environmental Sustainability and Social Dynamics'.  
**Place:** Rajiv Gandhi National University of Law, Punjab, Patiala.  
**Date:** 5 March, 2016.
- (ii) **Theme:** Seven day Workshop on 'Enhancing Legal Efficacy Among Teachers with Special Reference to women related issues' (Participated).  
**Place:** Women's Studies Centre, Punjabi University, Patiala.  
**Dates:** 15 - 21 March, 2016

**Mr. Harmohan Sharma (Computer Science)**

- (i) **Theme:** 'e-Waste-A Looming Threat' at One Day National Conference on 'Environmental Sustainability and Social Dynamics'  
**Place:** Rajiv Gandhi National University of Law, Punjab.  
**Date:** 5 March, 2016.
- (ii) **Theme:** Seven day Workshop on 'Enhancing Legal Efficacy Among Teachers' with Special Reference to women related issues (Participated).  
**Place:** Women's Studies Centre, Punjabi University, Patiala.  
**Dates:** 15 to 21 March, 2016
- (iii) **Theme:** One Day Workshop on 'Digital India' (Participated).  
**Place:** Dept of NSS, Punjabi University, Patiala.  
**Date:** 2 March, 2016

**Dr. Sukhdev Singh (Computer Science)**

- Theme:** 'Medical Waste Risks and Impact on Health and the Environment' at National Conference on 'Recent Advances in Chemical, Biological and Environmental Sciences (RACES-2015)'  
**Place:** M M Modi College, Patiala  
**Date:** 8 Feb., 2016

**Mr. Sumeet Kumar (Computer Science)**

- (i) **Theme:** IT-Powerful Tool in Skill Development of the Country  
**Place:** A.S College, Khanna  
**Date:** 22<sup>nd</sup> Aug.,2015 (In Absentia)
- (ii) **Theme:** M.S Excel-Powerful Tool for Research Analysis  
**Place:** DAV College of Education, Hoshiarpur  
**Date:** 24<sup>th</sup> Dec.,2015
- (iii) **Theme:** 'Customer References for Online Shopping' at Contemporary Issues and Challenges in B.E.  
**Place:** Govt. Postgraduate College, Ambala Cantt.  
**Date:** 6 Feb., 2016
- (iv) **Theme:** 'Electronic Waste-Environment Issue and Its Management' at conference 'Chemistry of Industrial Globalization, Environmental Pollution and Its Chem-Biological Significance'.  
**Place:** Govt. Postgraduate College, Ambala Cantt.  
**Date:** 11 Feb.,2016
- (v) **Theme:** 'Challenges of e-Waste Management in India' at RACES-2016.  
**Place:** M M Modi College, Patiala  
**Dates:** Feb. 19-20, 2016

- (vi) **Theme:** 'Social Media Marketing' at seminar on 'Relationship Marketing Through Social Networking Sites'.  
**Place:** Kamla Lohtia SD College, Ludhiana  
**Date:** 5 March, 2016
- (vii) **Theme:** 'Role of ICT in Women Empowerment' at seminar on 'BETI BACHAO-BETI PADHAO'  
**Place:** Kamla Lohtia SD College, Ludhiana  
**Date:** 5 March, 2016
- (viii) **Theme:** 'Application of Computer Programming In Graph Theory' at seminar on 'Latest Trends in Algebra and Analysis'.  
**Place:** Guru Nanak Khalsa College, Karnal  
**Date:** 19 March,2016
- (ix) **Theme:** 'Use of ICT Tools in e-Governance' at the seminar on 'Governance in the 21<sup>st</sup> Century'.  
**Place:** Dept. of Public Administration, Punjabi University, Patiala  
**Date:** 30 March,2016

**Mr. Rohit Sachdeva (Computer Science)**

- (i) **Theme:** Information Technology- Powerful Tool in Skill Development of the Country  
**Place:** A S College, Khanna  
**Date:** 22 Aug., 2015
- (ii) **Theme:** MS Excel- Powerful Tool for Research Analysis  
**Place:** DAV College of Education, Hoshiarpur  
**Date:** 24 Dec., 2015
- (iii) **Theme:** 'Customer Preferences for Online Shopping' at conference 'Contemporary Issues and Challenges in Business Environment'.  
**Place:** Govt. Postgraduate College, Ambala Cantt.  
**Dates:** 6 Feb., 2016
- (iv) **Theme:** 'Electronic Waste Environment Issue and It's Management' at conference 'Chemistry of Industrial Globalization, Environmental Pollution and Its Chem-Biological Significance'.  
**Place:** Govt. Postgraduate College, Ambala Cantt.  
**Dates:** 11 Feb.,2016
- (v) **Theme:** 'Challenges of e-Waste Management in India' at conference 'Recent Advances in Chemical, Biogical and Environmental Sciences (RACES)'.  
**Place:** M M Modi College, Patiala  
**Dates:** 19-20 Feb.,2016
- (vi) **Theme:** 'Facebook: a powerful tool of Marketing' at conference 'Relationship Marketing Through Social Networking Sites'.  
**Place:** Kamla Lohtia SD College, Ludhiana  
**Date:** 5 March, 2016

- (vii) **Theme:** 'Role of ICT in Spreading Awareness on Protecting the Girl Child' in seminar on 'Beti Bachao- Beti Padhao'  
**Place:** S. A. Jain (PG) College, Ambala City  
**Dates:** 12 March, 2016
- (viii) **Theme:** 'Understanding the Role of Computer in Mathematical Problem Solving' seminar on 'Latest Trends in Algebra and Analysis'  
**Place:** Guru Nanak Khalsa College, Karnal  
**Date:** 19 March, 2016
- (ix) **Theme:** 'e-Waste and its Effect on Human Health' at conference on 'Recent Trends in Physical, Chemical & Environmental Sciences'.  
**Place:** Advance College of Science & Commerce, Ujjan  
**Date:** 21 March, 2016
- (x) **Theme:** 'Use of ICT Tools in e-Governance' seminar on 'Governance in the 21<sup>st</sup> Century'.  
**Place:** Punjabi University, Patiala  
**Date:** 30, March 2016

**Mrs. Parminder Kaur (Commerce)**

- (i) **Theme:** Mobile Commerce in Rural India  
**Place:** Chandigarh University, Gharuan (Punjab)  
**Dates:** 24 Nov. 2015
- (ii) **Theme:** 'e-Commerce in Modern Business' at National Seminar on 'Innovations in Management'  
**Place:** PCMA-DKC, Dashmesh Khalsa College, Zirakpur  
**Date:** 30 Jan., 2016

**Dr. Deepika Singla (Commerce)**

- (i) **Theme:** 'Innovations in Management' at conference on 'The impact of Work Engagement on Performance'.  
**Place:** PCMA-DKC, Dashmesh Khalsa College, Zirakpur  
**Date:** 30 Jan., 2016
- (ii) **Theme:** 'Marketing Brand India Globally: Opportunities & Challenges' at conference on 'India Shining at Global Level: a Future Perspective' (UGC Sponsored)  
**Place:** Khalsa College for Women, Ludhiana  
**Date:** 24 Feb., 2016
- (iii) **Theme:** 'Strategic Role of Information Technology in Empowering Commerce' at conference on 'Role of IT in Stock Market Operations'.  
**Place:** UGC Sponsored at S.D. College, Ambala Cantt.  
**Date:** 16 March, 2016

- (iv) **Theme:** 'Make in India' at national seminar on 'Make in India: Fusion of Opportunities and Schemes in various sectors'.

**Place:** PMN-PCMA at PMN College, Rajpura

**Date:** 9 April, 2016.

**Dr. Varun Jain (Mathematics)**

- (i) **Theme:** *Geometry of GCR-lightlike Submanifolds*

**Place:** Department of Applied Science, Chandigarh University, Gharuan

**Dates:** 28-29 October, 2015

- (ii) **Theme:** 'Environment cost of Mobile Phones' at 8<sup>th</sup> National conference on Recent Advances in Chemical, Biological and Environmental Science (RACES-2016)

**Place:** M. M. Modi College, Patiala

**Dates:** 19-20 February, 2016

- (iii) **Theme:** 'Role of ICT in spreading Awareness on protecting the girl child' at National Seminar on 'Beti Bachao –Beti Padhao'.

**Place:** S.A. Jain(P.G) College, Ambala City

**Date:** 12 March, 2016

- (iv) **Theme:** 'Lightlike submanifolds of Indefinite Trans-sasakian Manifolds' at National Seminar on 'Latest trends in Algebra and Analysis'.

**Place:** Department of Mathematics, Guru Nanak Khalsa College, Karnal (Haryana)

**Date:** 19 March, 2016

- (v) **Theme:** 'Characterization of holomorphic sectional curvature of GCR-lightlike submanifolds of Indefinite nearly Kaehler Manifolds' at National Conference on 'Recent advancement in Science , Commerce and Technology, 2016'.

**Place:** Mata Sahib Kaur Girls college, Talwandi Sabo, Bathinda (Punjab)

**Dates:** 5-6 April, 2016

**Dr. Veerpal Kaur (Punjabi):**

- (i) **Theme:** Attended 4<sup>th</sup> Punjabi Diaspora Conference

**Place:** Punjabi University, Patiala

**Dates:** 15-17 March to 30<sup>th</sup> April, 2016

- (ii) **Theme:** Attended All India Punjabi Conference

**Place:** Punjabi University, Patiala

**Dates:** 30 April – 1 May, 2016

**Dr. Bhanvi Wadhawan (Zoology):**

- (i) **Theme:** 'In Vitro effect of Carbofuran on the larval development of *Chrysomya megacephala* (Diptera: Calliphoridae): A forensically important Blow fly' at 8th National Conference on Recent Advances in Chemical, Biological and Environmental Sciences (RACES-2016)'.  
**Place:** Multani Mal Modi College, Patiala

**Place:** Multani Mal Modi College, Patiala

**Date:** 19-20 Feb., 2016

**Dr. Santosh Bala (Botany):**

- (i) **Theme:** 'A case of Synaptic Mutant in *Erigeron karvinskianus* DC. (American Fleabane)' at 8<sup>th</sup> National conference on 'Recent Advances in Chemical, Biological and Environmental Sciences (RACES-2016)'.

**Place:** Multani Mal Modi College, Patiala

**Dates:** 19-20 Feb., 2016

**Dr. Pooja Rani (Physics):**

- (i) **Theme:** Presented Paper titled '**Altering the Optical properties of graphene by (B, N) doping**' at national conference 'Recent Advances in Chemical, Biological and Environmental Sciences (RACES)-2016'

**Place:** M M Modi College, Patiala

**Dates:** 19-20 Feb., 2016

- (ii) **Theme:** Measurement of  $L_3M$  resonant Raman Scattering cross sections at National Conference on Recent Trends in Physical, Chemical and Environmental Sciences (RTPCES 2016).

**Place:** Advance College of Science & Commerce, Ujjain (M.P)

**Date:** 21 March, 2016

**Dr. Harjinder Singh (Chemistry):**

- (i) **Theme:** 'DBU- A environmental friendly catalyst for organic synthesis' at National conference on Environmental suitability and social dynamics.

**Place:** RGNUL, Patiala, Punjab

**Date:** 5 March, 2016

- (ii) **Theme:** 'Environmental friendly methods for synthesis of 1,2,3-triazoles' in National Conference on Recent Trends in Physical, Chemical and Environmental Sciences.

**Place:** Advance college of Science and commerce, Ujjain, MP.

**Date:** 21 March 2016.

- (iii) **Theme:** 'Synthesis, photophysical study of new 7-chloroquinoline based triazolyl chalcones and their derivatives' at National Conference on Recent Advances in Chemical Sciences.

**Place:** S.D. (PG) college, Panipat.

**Dates:** 30-31 March 2016.

**Dr. Kavita (Physics):**

- (i) **Theme:** Synthesis and Characterization of II-VI Semiconductor Nanostructures at National conference on Environmental suitability and social dynamics.

**Place:** M M Modi College Patiala, Punjab, India

**Date:** Feb 19-20, 2016

- (ii) **Theme:** Measurements of  $L_3M$  resonant Raman scattering cross sections at National Conference on Recent Trends in Physical, Chemical, Biological & Environmental Science.

**Place:** Advance College of Science and Commerce, Ujjain, MP, India

**Date:** 21 March, 2016

**Regional:**

**Dr. Khushvinder Kumar (Principal)**

- (i) Theme: Mathematics and Mysticism (DST Inspire Programme)

Place: ISF College of Pharmacy, Moga

Date: 27 Sept. 2015

- (ii) Theme: Structure of Mathematics (DST Inspire Programme)

Place: IFS College of Pharmacy, Moga

Date: 5 Nov., 2015

**Mrs. Jagdeep Kaur (Geography)**

**Theme:** 'Life Skills for Stress Management among Youth' at CTE Annual State Conference – 2016

**Place:** Mata Sahib Kaur Khalsa Girls College of Education, Patiala

**Date:** 16 March, 2016

**Mrs. Poonam Sharma (Computer Science)**

**Theme:** 'Life Skills, the natural life saving tools, playing role in Artificial Intelligence tool' at CTE Annual State Conference, 2016.

**Place:** Mata Sahib Kaur Khalsa Girls College of Education, Patiala

**Date:** 16 March, 2016

**Mrs. Vaneet Kaur (English):**

**Theme:** 'WORKSHOP ON CREATIVE/ACADEMIC WRITING' (Resource Person)

**Place:** Department of English, Punjabi University, Patiala

**Dates:** 11-12 Feb., 2016

## Annexure - VII

The following members of the faculty performed their duties as members of the Board of Studies/Faculty of the Punjabi University, Patiala.

S. No.	Name	Faculty for Board of studies
1.	Dr. Khushvinder Kumar	Member, Academic Council, Punjabi University, Patiala and Member Board of Studies (Education), Chitkara University, Rajpura
2.	Mr. Nirmal Singh	Business Management
3.	Mrs. Poonam Malhotra	Undergraduate Board of Studies in English
4.	Mr. Sharwan Kumar	Business Management
5.	Mr. Balvir Singh	Punjabi
6.	Dr. Harcharan Singh	Punjabi
7.	Mrs. Jasvir Kaur	Undergraduate Board of Studies in Geography
8.	Mrs. Neena Sareen	Undergraduate Board of Studies in Commerce and Faculty of Business Studies
9.	Dr. Ashwani Sharma	Undergraduate Board of Studies in Life Sciences
10.	Dr. Rajeev Sharma	Faculty of Physical Sciences, Punjabi University, Patiala and Board of Studies in Chemistry, Chitkara University, Rajpura
11.	Mrs. Jagdeep Kaur	Undergraduate and Postgraduate Board of Studies in Geography
12.	Dr. Manjit Kaur	Punjabi
13.	Mr. Vinay Garg	Computer Science
14.	Dr. Ajit Kumar	Computer Science and Physical Sciences
15.	Dr. Kuldeep Kumar	Biotechnology



## Annexure VIII

### Faculty development programme/Orientation programme/Refresher course attended by faculty

UGC Sponsored 7-day Faculty Development Programme

**Main Speakers:** 1. Dr. S. S. Dhillon, Former Dean, Academic Affairs, Punjabi University, Patiala

2. Dr. Narinder Singh Kapoor, Former Professor and Head, Department of Journalism and Mass Communication, Punjabi University, Patiala

3. Dr. Ashwani Kumar Bhalla, Govt. College, Ludhiana.

4. Dr. Dalip Kumar, Govt. College, Sector 42, Chandigarh

**Date:** 10-16 July, 2015 (All the teachers of the college participated in this FDP).

#### **Dr. Varun Jain (Mathematics):**

Attended 28<sup>th</sup> Orientation programme organised by UGC-HRD centre, Punjabi University, Patiala from 18<sup>th</sup> April to 14<sup>th</sup> may, 2016.

## Annexure - IX

### List of Publications in Journals/Conference proceedings

#### Dr. Khushvinder Kumar (Principal)

- (i) 'Concept Mopping – An Appraisal', *GHG Journal of Sixth Thought*. 2348-9936, Vol. 2, No. 1, March, 2015
- (ii) 'Effectiveness of Co-operative learning on Critical Thinking - Dispositions of Secondary School Students, Issues and Ideas in Education, 2320-7655, Vol. 1, No. 3, March, 2015.
- (iii) 'A Comparative Study of Text Books of Punjabi Language of 8th Class of PSEB and CBSE', *Parview*, Jan. 2016, Vol. 7, No. 1, ISSN: 2320-558X.
- (iv) 'Assessment of Punjabi Language Skills Of PSEB and CBSE School Students', *International Multidisciplinary E-journal* June, 2016, Vol. 5 No. 6, ISSN: 2277-4262.

#### Dr. Ashwani Sharma (Botany)

"Taxonomic notes of two Species of Kretzschmaria from Eastern Himalayas' *Kavaka*: 44 p 66-68.

#### Dr. Rajeev Sharma (Chemistry)

- (i) 'Anti Bacterial Activity of Terminalia Chebula Fruit by Agar Well Diffusion method, *Journal of Chemistry, Environmental Sciences and its Applications*, Vol. 1 (2), March, 2015, 67-72.
- (ii) 'Study and Evaluation of Ground Water Quality of Malwa Region, Punjab (North India), *Journal of Chemistry, Environmental Sciences and its Applications* 2(1) Sept. 2015, 41-58.
- (iii) 'An Islamic Perspective of Human Rights' - *Research ICON*, Oct. 15 – Jan. 16, Vol. I No. 3, Page 225-233, ISSN: 2395-6585. (co-authored).
- (iv) 'Human Rights and Sikhism' - *Research ICON*, Oct. 15 – Jan. 16, Vol. I No. 3, Page 71-76, ISSN: 2395-6585. (co-authored).
- (v) 'Role of Women in Conservation of Environment' –*Research ICON*, Oct. 15 – Jan. 16, Vol. I No. 3, Page 216-218, ISSN: 2395-6585. (co-authored).
- (vi) 'Environmental Pollution and Health' –*Research ICON*, Oct. 15 – Jan. 16, Vol. I No. 3, Page 234-238, 2395-6585. (co-authored).
- (vi) Study of the Waste Water Quality of Malwa Region, Bathinda, Punjab (India) *International Journal of Scientific Research in Chemical Sciences*, Jan. 16, Vol. 3 No. 2, Page 1-8, 2455-3174. (co-authored).
- (viii) 'Biodiversity Conservation Concept for Sustainable Development in Manu Samhita' *Academia: An International Multidisciplinary Research Journal*, March, 2016, Vol. 6 No. 3, Page 374-381, ISSN: 2249-7137.
- (ix) Nickel Toxicity to Photosynthetic attributes in the leaves of lentil (*Lens culinaris*) Medic. Masar, June, 2016, Vol. 6 No. 2, Page 300-302, ISSN: 2394-5869. (co-authored).

**Dr. Ajit Kumar (Computer Science)**

- (i) A Survey of Spell Checkers available for Hindi and Punjabi
- (ii) Sentiment Analysis of Views Written in Gurmukhi Script in the proceedings of *International Conference of Advances in Computers, Communication and Electronic Engineering (COMMUNE-2015)* held in the University of Kashmir, Srinagar, India from 16-18 March 2015.
- (iii) Statistical Post Editing System (SPES) Applied to Hindi-Punjabi PB-SMT System, *Indian Journal of Science & Technology* Vol 8, Issue 27 Oct, 2015. Impact factor 1.05.
- (iv) Thresholding Techniques for Ancient Document Images, *International Journal of Advanced Research in Computer Engineering & Technology*, Sept. 2016, Vol. 5 Issue 9, Page 2345-2350, ISSN: 2278-1323 (Online) (co-authored).

**Mr. Ganesh Kumar Sethi (Computer Science)**

'Aks: A Database for Detection and Extraction of Devanagari Text in Camera Based Images', *International Journal of Computer Trends and Technology*, September 2016, Vol. 39 Number 1, Page 32-39, ISSN: 2231-2803.

**Mr. Harmohan Sharma (Computer Science)**

'State of the art in Nastaleeq Script Recognition', *International Journal of Computer Trends and Technology*, Sept. 2016, Vol. 39 Number 1, Page 40-46, ISSN: 2231-2803.

**Mr. Sukhdev Singh (Computer Science)**

- (i) 'Features extraction and classification for detection of kidney stone region in ultrasound images', *International Journal of Multidisciplinary Research and Development*, May 2016, Vol. 3(5), pp. 81-83, Online ISSN: 2349-4182 Print ISSN: 2349-5979.
- (ii) 'A Comparative Study of Binarisation of Ultrasound Images', *International Journal of Computer Applications*, 2016, pp. 17-19, ISSN: 0975-8887.
- (iii) Web services: An E-government perspective, *International Journal of Computer Applications (IJCA) Proceedings* ISBN: 978-81-924893-0-8.
- (iv) Despacking of Renal Calculi in Ultra Sound Images, *International Research Journal of Engineering and Technology*. e-ISSN: 2395-0056 P-ISSN: 2395-0072 Aug. 2015.

**Dr. Sanjay Kumar (Chemistry)**

Anionic Metal Organic Framework for Selective Dye Removal and CO<sub>2</sub> Fixation, *European Journal of Inorganic Chemistry*, Year 2016, Page 4373-4377, ISSN: 1099-0682.

**Dr. Meenu (Chemistry)**

- (i) In situ reductive regeneration of zerovalent iron nanoparticles immobilized on cellulose for atom efficient Cr (vi) absorption. *RSC Advances*, 5(109), 89441-89446.
- (ii) Synthesis, Crystal Structure Determination of Two-Dimensional Supramolecular Co-Ordination Polymer of Silver(I) with 1,2-Bis(phenylthio)ethane and its Hirshfeld Surface Analysis, *Journal of Chemical Sciences* 127: 849-856

**Dr. Kuldeep Kumar (Biotechnology)**

- (i) 'Isolation of catalase producing bacteria, production of catalase and its application to degrade hydrogen peroxide from effluent.' *European Journal of Biotechnology and Bioscience*, 2016, Vol. 4 No. 6, Page 34-37, ISSN: 2321-9122.
- (ii) Development of electrochemical biosensor for detection of asparagines in leukemic samples, *International Journal of Pharmaceutical Sciences and Research*, 2016, Vol. 7 No. 2, Page 783-788, ISSN: 0975-8232.

**Dr. Deepika Singla (Commerce)**

- (i) Measurement of ERP Dependability from Employee Perspective, '*PIMT Journal of Research*', Jan-June 2016, Vol. 13 No. 1, Page 96, ISSN: 0973-4066
- (ii) Analysis of Effective Element & Gaps of Training & Development in Service Sector, '*PCTE Journals of Business*', Jan-June 2016, Vol. 8 No. 2, Page 2, ISSN: 02278-7925.
- (iii) A Study of Influence Strategies used by Children in Family Purchase Decisions, '*PCTE Journals of Business*', Jan-June 2016, Vol. 8 No. 2, Page 2, ISSN: 02278-7925.

**Dr. Veerpal Kaur Kaur (Punjabi)**

'Guru Da Manavwadi Darshan', *Research Journal*, Punjabi University, Patiala in 2016.

**Dr. Bhanvi Wadhawan (Zoology)**

Detection of Ketamine hydrochloride and its effect on the development of immature stages of a forensically important blow fly *Chrysomya megacephala* (Fabricius) (Diptera: Calliphoridae) in *Journal of Entomology and Zoology Studies*, Vol. 4, No. 2, E-ISSN: 2320-7078, P-ISSN: 2349-6800.

**Dr. Santosh Bala (Botany)**

- (i) New Chromosome reports in Lamiaceae of Kashmir (Northwest Himalaya), in *International Journal 'Protoplasma' India*, 2016, DOI: 10.1007/s0079-016-1006-7, ISSN: 1615-6102.
- (ii) Male meiosis in structural heterozygotes, *International Journal 'Biolife'*, 2016, Vol 4 No. 3, Page 587-594, ISSN: 2320-4257.

**Dr. Rupinder Sharma (Hindi)**

'Hindi Upanayas: Anchalik Sanrachna aur Jiwan Drishti' *Anusandhan* (Traimasik Anusandhan Patrika), Oct. – Dec. 2016, Page 7-14, ISSN: 0975-805X.

**Mrs. Pooja Rani (Physics)**

- (i) Thermodynamic properties of pure and doped (B, N) graphene, in the *Journal 'RSC Advances'*, 2016, Vol. 6, Page No. 12158, ISSN: 2046-2069.
- (ii) She got her book published 'Structural, Electronic and Optical Properties of Hetero-Graphenes' published by LAP LAMBERT Academic Publishing, 2016, ISBN: 978-3-659-82885-0.

**Dr. Harjinder Singh (Chemistry)**

- (i) DBU catalyzed metal free synthesis of fused 1,2,3-triazoles through [3+2] cycloaddition of aryl azides with activated cyclic C-H acids, *Tetrahedron Letters*, 2016, 57, 3075–3080, 2016, Vol. 57, Page 3075–3080, ISSN: 0040-4039.
- (ii) An efficient green approach for the synthesis of novel triazolyl spirocyclic oxindole derivatives via one-pot five component protocol using DBU as catalyst in PEG-400, *Tetrahedron Letters*, 2016, 57, 3081–3085, year 2016, Vol. 57, Page 3081–3085, ISSN: 0040-4039.
- (iii) Metal-free synthesis of 1,2,3-triazoles by azide–aldehyde cycloaddition under ultrasonic irradiation in TSIL [DBU-Bu]OH and in hydrated IL Bu<sub>4</sub>NOH under heating, *Montash Chem.*, 2016, 147, 1215-19, year 2016, Vol. 147, Page 1215-19, ISSN: 1434-4475.
- (iv) One-pot four component synthesis of functionalized 1H-1,2,3-triazole tethered pyrazolo[3,4-b]pyridin-6(7H)-ones as novel apoptosis inducers and anti-microbial agents, *Med Chem Res*, 2016, 25, 1813, year 2016, Vol. 25, Page 1813, ISSN: 1554-8120.

**Dr. Kavita (Physics)**

- (i) Nanoindentation and VSM of Silver Nanowires Synthesized by Microwave-Polyol Process, *Journal of Nanomaterials & Molecular Nanotechnology*, year 2016, Vol. 5, 1-5, ISSN: 2324-8777.
- (ii) Characterization of Water Soluble Carbon Nanotubes, *Journal of Nanoscience and Technology*, year 2016, Vol. 2, Page 64-65, ISSN: 2455-0191.

## Annexure - X

### List of books/book chapters published

**Dr. Rajeev Sharma**

1.	ਵਾਤਾਵਰਣਕ ਪ੍ਰਦੂਸ਼ਣ : ਕਾਰਨ ਅਤੇ ਨਿਵਾਰਨ	21 <sup>st</sup> Century Publication, Patiala	978-93-85446-32-0
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#### Book Chapters

S.No	Chapter	Book	Publisher	ISBN
1.	'Influence of Media and Technology on Adolescents Development, p.77-81	'Technology, Modernization and Transitional Society: A Challenging Era for Adolescents'	21 <sup>st</sup> Century Publication, Patiala	978-81-89463-48-9
2.	'A Study to Analyse Personality Traits in Career Selection', p. 237-241	'Technology, Modernization and Transitional Society: A Challenging Era for Adolescents'	21 <sup>st</sup> Century Publication, Patiala	978-81-89463-48-9
3.	'Life Skills for Stress Management among today's youth' (co-authored)	'Life Skill Education: Equipping for Life'	Zohra Publications, Patiala	978-93-827376-95-8
4.	'Arsenic – Sources, Toxicity and Prevention' (co-authored)	'Chemicals and Environment'	Twenty First Century Publications, Patiala,	ISBN: 978-93-85447-58-7

**Mrs. Jagdeep Kaur (Geography)**

#### Book Chapter

S.No	Chapter	Book	Publisher	ISBN
1.	'Life Skills for Stress Management among today's youth' (co-authored)	'Life Skill Education: Equipping for Life'	Zohra Publications, Patiala	978-93-827376-95-8

**Dr. Neeraj Goyal (Management)**

S.No.	Title	Publisher	ISBN
1.	Business Economics – I	R.D. Publications, Jalandhar	978-93-84594-34-3
2.	Principles of Economics-I	R.D. Publications, Jalandhar	978-93-84594-33-6
3.	Financial Management-I	R.D. Publications, Jalandhar	978-93-84594-13-8
4.	Computer Based Accounting System	Sharma Publications, Jalandhar	978-93-84367-88-6
5.	Cost Accounting-I	R.D. Publications, Jalandhar	978-93-84594-14-5
6.	Computer Based e-Accounting Using Tally.ERP9	R.D. Publications, Jalandhar	978-93-84594-05-3
7.	Business Statistics	R.D. Publications, Jalandhar	978-93-84594-45-9
8.	Cost Accounting-II	R.D. Publications, Jalandhar	978-93-84594-14-5
9.	Business Economics-II	Kalyani Publishers, Jalandhar	978-93-272-2748-2.

**Mr. Ganesh Kumar Sethi and Mr. Harmohan Sharma (Computer Science)**

S.No.	Title	Publisher	ISBN
1.	Mathematical Foundations of Computer Science	Sharma Publications, Jalandhar	978-93-5181-036-0

**Mr. Sukhdev Singh (Computer Science)**

S.No.	Title	Publisher	ISBN
1.	Fundamentals of Database Management System (DBMS)'	Bookman Publications, 41-B, Sawan Park, Ashok Vihar, Phase III, Delhi-110052, India	978-81-931674-9-6

**Dr. Kuldeep Kumar (Biotechnology)****Book Chapters**

S.No	Chapter	Book	Publisher	ISBN
1.	'Advanced Wastewater Treatment Technologies'	'Modern Approaches to Environmental Biotechnology'	Nova Science Publishers, USA	978-1-63484-360-7
2.	'Role of Biosensors in Environmental Monitoring'	'Modern Approaches to Environmental Biotechnology'	Nova Science Publishers, USA	978-1-63484-360-7

**Dr. Deepika Singla (Commerce)**

S.No.	Title	Publisher	ISBN
1.	'Financial Accounting'	R.D. Publications, Jalandhar	978-93-84954-22-9
2.	'E-Accounting'	R.D. Publications, Jalandhar	978-93-84954-05-9

**Dr. Varun Jain (Mathematics)**

S.No.	Title	Publisher	ISBN
1.	Basic Mathematics, Text book for BCA (as per Punjabi University, Patiala Syllabus)	Sharma Publication, Jalandhar	978-93-81-261-95-8
2.	Calculus, Text book for B.Sc. Semester 1 <sup>st</sup> , (as per Punjabi University, Patiala Syllabus)	Sharma Publication, Jalandhar	978-93-82704-52-2

**Mrs. Chetna Gupta (Mathematics)**

S.No.	Title	Publisher	ISBN
1.	Mathematical Analysis	Sharma Publications, Jalandhar	978-93-5181-054-4
2.	Analysis-I	Sharma Publications, Jalandhar	978-93-82-704-17-1
3.	Analysis-II	Sharma Publications, Jalandhar	978-93-5181-064-3
4.	Partial Differential Equations	Sharma Publications, Jalandhar	978-93-81-261-96-5
5.	Theory of Linear Operators	Sharma Publications, Jalandhar	978-93-5181-125-1

**Mrs. Vaneet Kaur (English) got the following chapter in the book published:****Book Chapter**

S.No	Chapter	Book	Publisher	ISBN
1.	'Chapter 38 - Question of Home, Belonging, and Return in the Punjabi Diaspora: A Critical Reading of <i>Jee Aayan Nu</i> and <i>Asaa Nu Maan Watna Da</i> '	'Indian/Punjabi Diasporic Cinema Representations of Transnational Experience' Eds. Manjit Inder Singh, Tejinder Kaur, 2016,	Publication Bureau, Punjabi University Patiala	978-81-302-0363-8



## Annexure – XI

### CONFERENCES/SEMINAR/WORKSHOP ORGANIZED BY INSTITUTION

#### **8th National Conference on Recent Advances in Chemical, Biological and Environmental Sciences (RACES, 2016)**

National Conference on Recent Advances in Chemical, Biological and Environmental Sciences (RACES, 2016) was organized in the college on February 19-20, 2016. Prof. N. Sathyamurthy, Director, IISER, Mohali, inaugurated the conference. 284 abstracts were received for poster and oral presentations during the conference and delegates from USA, Italy, Germany and 12 Indian states attended the conference. Prof. AM Deshmukh, Centre for Cultivation of Microbiology, Osmanabad, Dr. Prince Sharma, Department of Microbiology, Panjab University, Chandigarh, Prof. Ashok Malik, Punjabi University, Patiala, Dr. Harish Chandra, Central University of Bhatinda, Prof. Kuldeep Kumar, K. Srivasva, CORI, Luknow, and Prof. J.M. Khurana, Department of Chemistry, Delhi University enlightened the deliberated through their highly knowledgeable talks in seven different technical session. Awards were given in 'Young Scientist' and 'Poster Presentation' category during the conference. A souvenir cum abstract book was also released on the occasion. Prof. (Dr.) P.S. Jaswal, Vice Chancellor, Rajiv Gandhi National University of Law, Patiala presided over the Valedictory Session of the Conference.

#### **Seven Days National Level Workshop on Leadership and Advocacy**

A seven Days National Level Workshop on Leadership and Advocacy sponsored by Rajiv Gandhi National Institute of Youth Development, Regional Centre, Chandigarh was organized on May 25-31, 2015. Dr. Paramvir Singh, NSS Coordinator, Punjabi University, Patiala was the Chief Guest and Mr. Stanzin Dawa, Project Director of Rajiv Gandhi Institute Presented presidential remarks during valedictory function. Dr. S.M. Kant, Advisor, Youth Welfare, PTU, Jalandhar. Prof. Sharwan Madaan, Dr. Rajiv Sharma, Ms. Amanpreet Kaur, and Mr. Avinav Thakur, delivered lectures on diverse topics like leadership skills, professional skills and positive attitude during the workshop. More than 60 students and teachers from Punjab, Haryana, J&K , Leh and Telangana took part in the workshop.

#### **Workshop 'Training of the Trainers'**

A seven day Workshop 'Training for Trainers' was organized inc collaboration with Rajiv Gandhi National Institute of Youth Development, Chandigarh on Life skills in the college campus on July 8-14, 2015. Trainers of the workshop Ms. Amandeep Kaur, Ms. Manjula, Sh. Deepak Kumar delivered lectures on diverse topics including stress management, Time Management, Introspection, Team Work and Communication Skills etc. and taught the participants life skills through management games. 60 teachers of the college participated in the workshop. Principal Dr. Khushvinder Kumar presided over the valedictory

#### **Two-Day Workshop on LINUX Operating System**

Two-day workshop on LINUX Operating System was organized by the postgraduate department of computer science on May 06, 2016. Senior network engineer Mr Anil Kumar from Brill Infosystems Pvt Ltd, Mohali conducted the workshop. The valedictory session of the workshop was presided over by Mr Rupinder pal Singh, MD, Brill infosystems Pvt Ltd, Mohali.

**Inter-Institutional Science Fair**

An inter-institutional science fair on the theme 'Science and Society' was organized on October 24, 2015. Fair was inaugurated by Prof. O. P. Jasuja, Dean, Physical Sciences, Punjabi University, Patiala. Prof. Symon, Dept of Forensic Science, Turtle University, Perth (Australia) was Guest of honour. More than 270 students from 20 schools and 7 colleges participated with their models and posters in the fair. Competitions of static models, working models and poster presentations were held during the fair. Prof. N S Attri, Additional Dean Research, Punjabi University, Patiala presided over the valedictory session and awarded prizes to the winners.

## Annexure - XII

### Faculty served as experts, chairpersons or resource persons

#### Dr. Khushvinder Kumar (Principal)

- (i) **Theme:** Orientation to the Accreditation process of NAAC  
**Place:** FDP at SCD Govt. College, Ludhiana  
**Date:** 18 Jan., 2016
- (ii) **Theme:** Orientation to the Accreditation process of NAAC  
**Place:** FDP at SCD Government College, Ludhiana  
**Date:** 24 Feb., 2016
- (iii) **Theme:** Mixed Method Research  
**Place:** Resource Person, Dept. Of Educational studies CU Jammu  
**Date:** 27 May, 2016
- (vi) **Theme:** Skill Development in Higher Education (Chief Panelist)  
**Place:** A.S. College, Khanna  
**Date:** 22 Aug., 2015
- (vii) **Theme:** Issues and Challenges for Quality Teacher Education in Perspective of NCTE Regulation - 2014  
**Place:** Nalanda College of Education, Dehradun (Chaired the session)  
**Date:** 4 Oct., 2015
- (viii) **Theme:** Mathematics Education (Chief Panelist)  
**Place:** DAV College of Education, Nawanshahar  
**Date:** 21 Nov., 2015
- (ix) **Theme:** 'NAAC Accreditation: Methodology, Process and Problems' (Resource Person)  
**Place:** Guru Nanak College for Girls Mukatsar  
**Date:** 29 March, 2016
- (x) **Theme:** 'Skill of Explanation' (Resource Person)  
**Place:** AS College Khanna  
**Date:** 2 May, 2016
- (xi) **Theme:** 'Structure of Mathematics' (Resource Person)  
**Place:** DST Inspire Programme at GHG Khalsa College of Education, Gurusar Sadhar  
**Date:** 25 March, 2016

#### Mr. Sharwan Kumar (Commerce)

- Theme:** Salary and Relief u/s 89 of Income Tax Act.
- Place:** Income Tax Dept., Patiala (Training Programme of Tax Asst. Trainees)
- Date:** 31 Dec., 2015

#### Dr. Ashwani Kumar Sharma (Botany)

- (i) **Theme:** Respiration – An Essence of Life  
**Place:** Govt. Mohindra College, Patiala  
**Date:** 27 Nov., 2015
- (ii) **Theme:** Plant Nutrients  
**Place:** Public College, Samana  
**Date:** 28 Nov., 2015

**Dr. Ajit Kumar (Computer Science)**

**Theme:** Vision of Digital India

**Place:** Govt. Bikram College of Commerce, Patiala

**Date:** 7 July, 2015

**Dr. Varun Jain (Mathematics)**

**Theme:** Analytic Function

**Place:** Govt. Mohindra College, Patiala

**Date:** 17 Aug., 2015

## **Annexure – XIII**

### **EXTENSION ACTIVITIES**

#### **Three Day Orientation Programme for the Entry Level Students**

A Three-Day Orientation Programme was organized on July 22-24 2015 for the entry level students of the college at the commencement of the new academic session. Dr. Khushvinder Kumar, Principal Welcomed the students and exhorted them to work diligently. Faculty members apprised the students of various curricular and co-curricular activities in the college.

#### **Book Exhibition and Lecture**

An exhibition of the books published by the Role of Books and Literature in the Personality Development of the Students

**Speaker:** Dr. Dhanwant Kaur, Professor and Ex-head, Dept of Development of Punjabi Language, Punjabi University, Patiala,

**Date:** 21 Aug, 2015

#### **Celebration of Birthday of famous Russian Chemist Dmitri Ivanovich Mandleev**

The birthday of famous Russian chemist and inventor Dmitri Ivanovich Mandleev was celebrated in the college on February 10, 2016 by organizing a special talk. Dr. Mourad Harir, Scientist, Halmholtz Zentrum from Munich, Germany delivered a highly illuminating talk on natural organic matter analysis by using FT-ICR Mass Spectrometry. Prof. Ashok Malik, Department of Chemistry, Punjabi University, Patiala explained that how the excessive and non-judicious use of chemical fertilizers, pesticides and insecticides has polluted the air, water and food items. He also discussed the use of simplified techniques for estimating these pollutants and role of chemistry in eradication of pollution.

#### **Expert Talk on 'Beti Bachao-Beti Padhao'**

An Expert Talk on 'Beti Bachao - Beti Padhao' theme was organized by the NSS department of the college on February 16, 2016. Advocate Kusum Sood delivered an emotional and thought provoking lecture on the theme and laid stress on educating the girls and developing their skills, rather than giving them costly items as dowry on the occasion of their marriage. She further expressed that educated and economically self reliant women prove to be strong enough to safeguard their rights.

#### **Student Leadership Programme**

One Day Students Leadership Programme was organized in association with the Rajiv Gandhi National Institute of Youth Development (RGNIYD), Chandigarh on February 23, 2016. Dr. Khushvinder Kumar, Principal welcomed the guest speakers and emphasized the need to inculcate leadership qualities as it is the prerequisite to avail opportunities in the globalized world. Ms. Ankita Sharma and Ms. Kamalpreet Kaur representatives of RGN IYD, Chandigarh stress upon the students to develop leadership qualities and positive thinking. They made innovative presentations about the theme of the programme. About 300 students and members of the faculty participated in this programme.

#### **National Science Day Celebration**

The biological society of the college celebrated National Science Day on February 29, 2016 and organized spot poster making competition and a quiz contest.

### **Celebration of Birthday of Russian Scientist Dmitri Ivanovich Mandleev**

Birthday of Russian Chemist and inventor Dmitri Ivanovich Mandleev was celebrated by department of Chemistry in the college on February 10, 2016 and organized a special talk. Dr. Mourad Harir, Eminent Scientist, Helmholtz Zentrum, Munich, Germany delivered highly illuminating talk on natural organic matter analysis by using FT-ICR mass spectrometry. Prof. Ashok Malik, Department of Chemistry, Punjabi University, Patiala explained that how the excessive and non-judicious use of chemical fertilizer, pesticides and insecticides has polluted the air, water and food items. He also discussed the use of simplified techniques for estimating these pollutants and role of chemistry in eradication of pollution.

### **Paper Reading and Quiz Competition**

Paper Reading Contest and Literary Quiz Competition were organized by the Literary Society of the English Department on March 1-2, 2016. Around 30 students from different streams participated in the competition.

### **Expert Talk Eminent Punjabi writer Dr Waryam Sandhu**

An expert-talk on the theme of 'Social Experience and Creative Writing' by eminent Punjabi Story-Writer Dr. Waryam Singh Sandhu was organized by the Punjabi Department on April 09, 2016. By quoting examples from his much discussed story 'Chauthi Koot', written about the days of terrorism in Punjab, he emphasized the need to maintain harmony in the multi-cultural social fabric of India. Dr. Kulwant Singh Sandhu a Punjabi Critic spoke about various aspects of the life and literary works of Waryam Sandhu.

### **Expert Lecture on Interplay of Market Forces and Social Issues**

Department of Commerce organized a lecture on 'Interplay of Market Forces and Social Issues' on May 04, 2016. Dr Deepak Kumar, Dept. of Sociology and Social Anthropology, Punjabi University, Patiala in his talk laid stress that study of interplay of market forces and social issues is must for comprehending the social phenomenon happening around us. He lamented that our present economic system makes use of rationality for legitimizing inequalities prevailing in the society.

## **Annexure – XIV**

### **HEALTHY PRACTICES**

#### **Seminar on Awareness about Eye-Donation**

A seminar on the awareness about eye-donation under the "National Programme for Control of Blindness" was organized on September 4, 2015 in association with the Health Department, Patiala, Dr. Rajeev Bhalla, Civil Surgeon, Patiala inaugurated the seminar. He emphasized on the importance of blood donation during life time of a person and eye donation posthumously for the welfare of humanity. Dr. Harish Malhotra, Assistant Civil Surgeon, Dr. Manpreet Walia, Eye specialist and Sh. Hardeep Randhawa motivated the students to come forward for the noble cause.

#### **Blood Donation Camp**

The NSS unit of the college organized a blood donation camp on the occasion of World Youth Day on August 12, 2015. A team of doctors led by Dr. Namrata Goyal and Sh. Sukhwinder Singh made meticulous arrangements for collecting donated blood. 73 units of blood were donated during the camp.

#### **Plantation Drive**

To check environment degradation and make the surrounding green and clean, a plantation drive was organized by Eco-Club and NSS department of the college in collaboration with 'Sambhav', a Ludhiana based NGO on July 19, 2015. Mr Jugraj Rathore, DFO, Patiala inaugurated the drive. 50 saplings were planted in the college campus during the drive.

#### **Sarbat Da Bhala' Charitable Trust Scholarships Award Function**

Dr. S.P. Singh Oberoi, Founder of 'Sarbat Da Bhala Trust' handed over a cheque of Rs. 3,37,425/- to the needy and the meritorious students of the college for pursuing their education as their annual scholarships, at a function held in the college on September, 15, 2015. Addressing the college students, on behalf of the trust, Mr. M.L. Hasija, Director (Education) of the trust informed that the trust is helping the needy and meritorious students.

#### **Donation for 'Sainik Welfare Fund'**

An amount of Rs. 22000/- contributed by the staff and students of the college for 'Sainik Welfare Fund' was handed over by the Principal to the District Sainik Welfare Officer, Col. S.S. Sangha. Presenting a letter of appreciation, col. Sangha shared that this fund is used for the welfare of the widows and the education of their children.

#### **Placement Cell**

Career Guidance and Placement cell primarily aims at obtaining the best possible placements to the students and equally makes them aware of various career options available to them by organizing

seminars, workshops and guest lectures to encourage the students to plan their future and to fetch good jobs in reputed companies through campus interviews.

Both national and multinational companies from all over India visited our campus for direct recruitment during the session. The placement cell has been coordinating with other colleges also to provide our students with opportunities of participating in campus activities of other colleges. Our students participated in the campus recruitment of companies like IBM, Wipro, Accenture, Infosys, TCS, Tech-Mahindra, CSC etc. 36 students were selected /shortlisted by different companies till now and many placement drives are in pipeline for coming months.

### **Convocation March 2016**

An annual convocation dedicated to Women's day was organized in the college campus on March 08, 2016. Dr Jaspal Singh, Vice Chancellor, Punjabi University, Patiala delivered the convocation address and conferred the degrees to 706 students of faculties of Physical Science, Life Sciences, Commerce, Arts, Business Management and computer science.



## **Annexure XV**

### **Achievements in Sports**

"You can best teach character on the playing field, using sports to teach life lessons". This dictum is faithfully practiced as the college conducts and organizes sports activities throughout the academic year. Our students participate in all leading tournaments and have the distinction of winning numerous awards, trophies and medals that bear testimony to their exemplary performance. The success of all these events is largely due to the untiring efforts of Dr. Gurdeep Singh, Dean Sports, Mr. Nishan Singh, Mr. Harneet Singh and Ms. Mandeep Kaur. It is a matter of great pride for us that Punjabi University, Patiala and Punjab Sports Department have allotted us sports wings in 15 disciplines namely- Gymnastic (M), Weight Lifting (M), Power Lifting (M), Best Physique (M), Tennis (M), Athletics (M), Football (M), Archery (M), Air Rifle/Pistol Shooting (M), Fencing (W), Cycling (M&W), Judo (M&W), Taekwondo (M&W) and Boxing (M&W), Wrestling (M)

#### **International**

- (i) Ronit Singh Bisht (Tennis) participated in the World University Games held in South Korea during 1-15 July, 2015.
- (ii) Baby Verma (Fencing) participated in the World Fencing Championship held at Moscow (Russia) during 13- 19 July 2015.
- (iii) Sachin Singh Rawat (Judo) won Silver Medal at the 16<sup>th</sup> Junior Asian and 9<sup>th</sup> Cadet Judo Championship held in Bangkok (Thailand) during 9 – 12 Oct. 2015.
- (iv) Anmol Preet Singh (Cricket) won Silver Medal (Team) at U-19 Cricket World Cup held at Mirapur (Bangladesh) from 27<sup>th</sup> Jan. to 14<sup>th</sup> Feb. 2016.
- (v) Jyotika Dutta (Fencing) won the Silver medal at Junior Commonwealth Fencing Championship held in Cape Town (South Africa). She also participated in South Asian Fencing Championship held in Mongolia during 7 – 12 Sept. 2015 and participated in Junior Asian Fencing Championship held at Bahrain (Saudi Arabia) from 20<sup>th</sup> to 29<sup>th</sup> Feb., 2016.
- (vi) Madhu Wedwan (Archery) participated at SAF Games Archery held at Shillong (Guwahati) from 11th to 16th Feb. 2016.
- (vii) Sonalika Kaushal (Fencing) participated at Junior Asian Fencing Championship held at Bahrain (Saudi Arabia) from 20th to 29th Feb., 2016.
- (viii) Lovejot Singh (Archery) participated at World University Archery Championship held at Ulaanbaatar (Mangolia) from 1st to 5th June, 2016.

**All India Inter-University/National Level**

<b>Sr. No.</b>	<b>Name of the Student</b>	<b>Position</b>	<b>Game</b>
1	Shama Parveen	1 Gold Medal	Gymnastic (Rhythmic)
2	Bhupinder Singh	1 Gold Medal	Weight Lifting
3	Sarita	2 Gold Medal (Team)	Tug of War
4	Gurwinder Singh	1 Gold Medal	Tug of War
5	Lovejot Singh	1 Gold Medal (Team)	Archery
6	Harjot Singh	1 Gold Medal 1 Silver Medal (Team) 1 Bronze Medal (Team Recurve)	Archery
7	L. Rickey Singh	1 Gold Medal (Team)	Archery
8	Harpreet Kaur	1 Gold Medal (Woodan Team)	Archery
9	Talwinder Singh	1 Gold Medal (Farry Stick Team)	Gatka
10	Gurwinder Singh	2 Gold Medal (Team)	Tug of War
11	Madhu Vedvan	3 Gold Medal (Individual) 1 Gold (Team), 1 Silver (Individual)	Archery
12	Rajbeer Singh	1 Gold Medal (Individual), 3 Gold Medals (TEam) 3 Silver Medal and 2 Bronze Medal (Team)	Cycling
13	Mohit Kumar	3 Gold Medal (Team) 1 Silver and 1 Bronze Medal (Team)	Cycling
14	Kumar Gaurav	2 Gold Medal (Team) 1 Silver and 1 Bronze Medal (Team)	Cycling
15	Jagjit Kaur	1 Gold Medal and 2 Silver Medal (Team)	Cycling
16	Priyanka Rani	1 Gold Medal (Individual) 4 Silver Medal (Team)	Cycling
17	Gaganvir Singh	2 Gold and 1 Silver Medal (Team)	Cycling
18	Harjinder Kaur	2 Gold Medal (Team)	Tug of War
19	Gulshan Kumar	1 Gold Medal (Individual)	Taekwondo

20	Chetan Singh	1 Gold Medal (Team)	American Football
21	Jarmanjit Singh	1 Gold Medal (Team)	American Football
22	Abhi Sharma	1 Gold Medal (Team)	American Football
23	Jyotika Dutta	1 Gold Medal (Individual), 2 Silver Medal (Team)	Fencing
24	Nikhil Arora	1 Silver Medal (Individual)	Athletics (800 m)
25	Neelam Rani	1 Silver Medal (Team), 1 Bronze Medal (Individual)	Fencing
26	Arshdeep Singh Virk	1 Silver Medal (4x400 Relay)	Athletics
27	Amit Sharma	1 Silver Medal (Team)	Fencing
28	Anmolpreet Singh	1 Silver Medal (Team)	Cricket
29	Manjot Singh	1 Silver Medal (Ind. & Team)	Taekwondo
30	Ararshdeep Singh Virk	1 Silver Medal	Athletics (4x400 m Relay)
31	Amit Sharma	2 Silver Medal (Team) 1 Bronze (Individual)	Fencing
32	Jyotika Dutta	1 Silver Medal	Fencing
33	Mandeep Inder Bawa	1 Silver Medal (Team)	Cricket
34	Anmol Malhotra	1 Silver Medal (Team)	Cricket
35	Sanvir Singh	1 Silver Medal (Team)	Cricket
36	Manik Sharma	1 Silver Medal (Individual)	Taekwondo
37	Sandish Kumar	1 Silver Medal (Individual)	Boxing
38	Shvinder Kaur Sidhu	1 Bronze Medal (Individual)	Boxing
39	Neeraj Bala	1 Bronze Medal (Individual)	Boxing
40	Navdeep Kaur	1 Bronze Medal (Individual)	Judo
41	Jappanjot Singh	1 Bronze Medal (Team) and 2 Bronze Medal (Individual)	Fencing
42	Neelam Rani	1 Bronze Medal (Team)	Fencing
43	Sonalika Kaushal	1 Bronze Medal (Team)	Fencing
44	Hushanpal Singh	1 Bronze Medal	Wrestling
45	Harpreet Kaur	1 Bronze Medal (Team)	Fencing
46	Paramjeet	1 Bronze Medal	Taekwondo
47	Hemant Kumar	1 Bronze Medal (Ind. and Team)	Yoga
48	Sarita Bhuyia	1 Bronze Medal (Ind. and Team)	Archery

## Punjabi University Inter-College Champion Teams

### Inter-college champion Teams

#### MEN

Cycling Road  
Cricket  
Cycling Track  
Table Tennis  
Tennis  
Judo Greco  
Weight Lifting  
Pistol shooting  
Rifle shooting  
Fencing Eppy  
Archery Recurve  
Kayaking  
Gatka team (Farri stick)

#### WOMEN

Gymnastics  
Cycling Track  
Judo  
Pistol Shooting  
Rifle Shooting  
Fencing Eppy  
Archery (Indian Round)  
Taekwondo

#### MIX TEAM

Archery Recurve

### Inter-college 1st Runners up Teams

#### MEN

Swimming  
Boxing  
Judo  
Power Lifting  
Fencing Foil  
Canoing

#### WOMEN

Tennis  
Cycling Road Team  
Fencing Foil  
Boxing  
Gatka Farri Stick Team  
Archery Recurve

### Punjabi University Inter-College 2nd Runners Up Teams

#### Men

Squash  
Racket  
American Football  
Fencing (Saber)

#### Women

Fencing (Saber)  
Kayaking  
Archery (Compound)  
Soft Ball

#### Mix Team

Archery (Compound)

## Annexure XVI

### CO-CURRICULAR ACTIVITIES

#### (a) National : 02

Quiz team got 2<sup>nd</sup> position in National Science Day celebration at Thapar University, Patiala on 18 Feb. 2016.

Ishnoor Singh Ghuman got 3<sup>rd</sup> position in Debate at Punjab State Inter University Youth Festival held at BBSB Engineering College, Fatehgarh Sahib

#### (b) University: 03 (Three)

**Positions at Inter Zonal Youth Festival held at Punjabi University, Patiala (16-18 Nov., 2015).**

- (i) Ishnoor Singh Ghuman – 1<sup>st</sup> in Debate.
- (ii) Gurnavdeep Singh – 3rd in Mimicry
- (iii) Manpreet Singh – 4th in Clay Modeling

#### (c) Positions at Zonal Youth Festival held at Govt. Mohindra College, Patiala (14 – 16 Oct., 2015)

##### Individual Events: 06 (Six)

- (i) Ishnoor Singh Ghuman – 1st in Debate
- (ii) Gurnavdeep Singh – 1st in Mimicry
- (iii) Manpreet Singh – 2nd in Clay Modelling
- (iv) Gautam Bagga – 3rd in Folk Song.
- (v) Pankaj Jain – 3rd in Western Solo Song.
- (vi) Simranjit Kaur – 4th in Rangoli

##### Team Events: 04 (Four)

- (i) Western Group Song – 3rd
- (ii) Skit – 3rd
- (iii) Mime – 3rd
- (iv) Bhangra – 4th

#### (d) Inter College Competitions: 09 (Nine)

- (i) Ishnoor Singh Ghuman bagged 1<sup>st</sup> position in Declamation Contest on National Voters' Day held at Khalsa Colelge, Patiala on 25<sup>th</sup> Jan. 2015.
- (ii) Positions at Technoquest Competitions held at M M Modi College, Patiala on 20 Feb., 2015:
  - a. Business Quiz Team – 1<sup>st</sup> Position
  - b. IT Quiz Team – 1<sup>st</sup> Position
  - c. Ad Mad Show Team – 2<sup>nd</sup> position
  - d. Palak – 1<sup>st</sup> in Test Your Knowledge in 'C' Programming.
  - e. Prikshita and Jitanshu – 1<sup>st</sup> in Web Designing
  - f. Twinkle Dhawan – 2<sup>nd</sup> in Poster Making
  - g. Ishnoor Singh Ghuman – 3<sup>rd</sup> in Paper Presentation
- (iii) Nukad Natak Team of the College bagged 1<sup>st</sup> position at **Saturnalia Fest** held at Thapar University, Patiala on 31<sup>st</sup> Oct., 2015.

**(f) Talent Hunt Competition – 2015** was inaugurated by S. Daljit Singh Rana, S. P. (City), Patiala on Sept. 23, 2015. S. Hardeep Singh Badungar, Traffic Incharge, Patiala was the Guest of Honour. About 120 students took part in Debate, Elocution, Poetry Recitation, Quiz, Music, Fine Arts, Dances and Theatre item contests.

## **Annexure XVII**

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

- (i) College NSS Programme Officers Dr. Rajeev Sharma and Mr. Harmohan Sharma received Best NSS Programme Officer Awards for NSS activities for the Year 2015-16 by Dept of NSS, Punjabi University, Patiala on 19 Jan., 2016
- (ii) Mrs. Jagdeep Kaur received Award of Honour for organizing blood donation camp from Punjab State AIDS Control Society.
- (iii) College NSS Program Officer Mrs. Jagdeep Kaur received Certificate of Appreciation from Deputy Commissioner, Patiala for contribution in Beti Bachao – Beti Padhao Campaign on 30th March, 2016.
- (iv) Dr. Rajeev Sharma attended Youth Leadership training camp organized by Ministry of Youth Affairs and Sports, Govt. of India at Manali from 4 Oct. – 14 Oct. 2016.
- (v) Mr. Harmohan Sharma attended 5th Youth Convention organized by Dept of NSS, Punjabi University, Patiala.

### **Activities involving students:**

- (i) Blood Donation Camp: A blood donation camp was organized by NSS Department of the college on 12 August, 2015 and 73 units of blood were donated.
- (ii) Seven-day NSS Camp organized: 01 (One) 7 day NSS camp on swatch bharat abhiyan 25 September 2015-01 October 2015, tree plantation, 25 Sept to 1 Oct., 2015
- (iii) Nine volunteers attended the National Youth Red Cross Camp at Mansa Devi Temple, Panchkula during 16-22 Sept., 2015.
- (iv) NSS Volunteer Manish Singh participated in the 'Training of the Trainers on Youth Leadership' through Adventure Sports at Atal Behari Vajpayee Institute of Mountaineering and Allied Sports, Manali (HP) during 29 Oct. – 7 Nov. 2015.
- (v) Organised a lecture on “Gender Sensitisation” on September 16, 2015.
- (vi) Seven-day NSS Camp was organized from 1-7 Jan., 2016.
- (vii) NSS volunteers visited Yadwindra Puran Bal Niketan (the orphanage) Patiala on 5 Jan., 2016 and donated articles worth Rs. 4100/- of daily use to the inmates.
- (viii) Participated in National Road Safety Week on 10 Jan. 2016.
- (ix) National Youth Day was celebrated by organizing a lecture by Dr. Vinay Sofat on 11 Jan. 2016.
- (x) Volunteers participated in Youth Convention organized by NSS Dept., Punjabi University, Patiala on 19 Jan., 2016.
- (xi) Our volunteers and NSS Programme Officers participated in One Day Workshop on Digital India held at Punjabi University, Patiala on 2 March, 2016. Ms. Amandeep Kaur, Mr. Gurnavdeep Singh and Mandeep Walia were adjudged the best actors in Skits on theme Skill Development and E-waste Management. College was also awarded for best skit performance.
- (xiv) NSS Units celebrated second International Day of Yoga at College campus on June 21, 2016.

## Annexure XVIII

Plan of Action	Outcomes/Achievements
11. To conduct the curricular and co-curricular activities as per annual calendar of the college.	11. Task at Sr. No. 1 have been executed as planned.
12. To increase the access of higher education to contribute to the national target of gross enrollment ratio (GER).	12. Task achieved with increase in student intake (from 3749 to 4290).
13. To add one post-graduation course, M.Sc. (Food and Nutrition)	13. New post-graduate course (M.Sc. (Food & Nutrition)) has been started.
14. Submission of proposal for the major research projects to funding agencies.	14. Two major research projects submitted to funding agencies by the college faculty.
15. Networking with the institution of National importance.	15. Networking with the reputed institutions already in process viz. College already tie-up with Punjab Pollution Control Board and Brill Infosys for academic/professional training of the students.
16. To have comprehensive feedback from all stakeholders	16. Feedback mechanism is already in process. It was made more inclusive and streamline with the change in format.
17. Submission of the proposal for the next phase of CPE.	17. Proposal already submitted to UGC and presented to the evaluation committee.
18. Vermicomposting facility enhancement.	18. Pit for the vermicomposting facility has been shifted and enlarged.
19. Increase in number of faculty.	19. Thirteen faculty recruited in grant-in-aid scheme.
20. Soft skill programme in Photography, heritage and general studies to be started.	20. Soft skill programme in Photography and heritage has been started. Programme for general studies shall be taken up in the coming session.