

# **B D COLLEGE , PATNA**

(A Constituent Unit of Magadh University ,Bodh Gaya )

## **SELF STUDY REPORT**

### **PREFACE**

The accreditation report is the most valuable and precious document for the college towards its concentrated efforts to get accreditation by National Assessment and Accreditation Council ( NAAC ). It is with meticulous care , spirit of sincerity and honesty that the college has undertaken an industrious exercise to prepare the self study report ( SSR ) based on the facts and instructions as laid down by NAAC . The SAR has been prepared in two parts comprising : Part 1 ( a ) Profile of the College (b) Criterion wise inputs and ( c ) Profile of the Departments . The Part II mainly contains ( a ) Executive Summary ( b ) Criterion wise evaluation report (c) Evaluation report of the Departments and ( d ) A declaration by the Head of the Institution .

B D College , Patna is one of the premier colleges of the state capital in Bihar catering to the needs of about 5000 to 6000 students . The college was established in the year 1970 with a clear vision and mission to champion the cause of literacy and higher education for the meritorious , upcoming talented boys and girls as well as under privileged students of the society . It was christened after the name of a renowned scholar and school teacher Bhuneshawri Dayal who in fact doled out a big chunk of money on his superannuation to set up an ideal college for the underprivileged and have-nots of the society . Presently the college has been imparting teaching in Arts , Science and Commerce streams with entire satisfaction to students , parents and guardians . The salient motto of this co-educated college has been to contribute to the desired transformation essentially required in the present value based society and to provide ample opportunities to students to be good citizens of the country .

Notwithstanding it all , the college is committed to provide an ideal platform to students to honour and cherish the values of life as enshrined in the Constitution of India to maintain social equality , justice and feelings of fraternity among people of the country reposing faith in different religions and cultures . To promote social amity and dignity of character has also been the basic tenet of principles of teaching in the college at the Degree and post graduate level . Besides, democratic freedom , tolerance and mutual respect for all religions have been the part of the academic ambience on the college campus .

The institution is well aware of the facts that quality of education and various hues of dimension always keep on changing with the passage of time . The quality of education thus can not be assessed by a solitary instance , but it could be brought under surveillance by constant watch over transformation in education system at the global level .Teaching and research have been the main pursuits for achieving an all round development in the academic field . True to say , no institution could be an ideal place for higher education sans genuine research work and motivation . It is with this end in view that the college has been relentlessly working hard to pursue the cause of literacy and educational development in an area where a fair sprinkling of have- nots and under privileged are carrying on pursuit of education at this institution to build their better tomorrow .

Honestly , temple of education could thrive where the young minds who possess mind of a restless bird , are given an ideal atmosphere to inculcate in themselves values of life and literacy . Our college is essentially wedded to this ideology to bring a change not only in the society , but it is also at the mental level . Indeed , the NAAC has devised a concrete mechanism through which a marked quality improvement could be achieved in the sphere of literacy and higher education . Driven by this valued based doctrine , our college owes its allegiance to the basic thrust and values being propagated by NAAC .

## Writing Self Study Report

Writing self study report ( SSR ) has been an onerous task assigned to a select members of the NAAC team . The SSR could not have been possible , had each teaching and non teaching staff of the college not cooperated and guided us from time to time to complete the task in the manner the NAAC team of the college virtually visualized or dreamt about . That apart, the NAAC team are prostrate with gratitude towards revered principal Dr B N Ojha who remained all the time on his toes to guide and motivate us while penning SSR of the college . Dr Ojha who happens to be a founder member of the college , was in fact a cornerstone of our strength and fortitude while completing the SSR within the stipulated period .

It is no denying that SSR preparation required a virtual test of our nerve and patience so that we could come up to the expectation of NAAC . Besides, it is not a work of solo effort for any mortal being , but it is a concerted team work of the college to achieve the desired goal towards scintillating excellence in the field of higher education and research pursuits for both the teachers and the taught .

We owe our deep sense of gratitude to director , higher education department , Government of Bihar , Dr Sita Ram Singh for having guided us with his invaluable experiences and ennobled perceptions to prepare the college finally for NAAC . In fact he gave the base and foundation to the college to weave our castle of dreams to get accreditation from NAAC committee with the sole objective to further improve quality teaching in the college . Our heartfelt thanks to Dr S R Singh , Dr R K Srivastava , both teachers of Dept of English , Dr Sanjeev Nath , PG Dept of Commerce and Dr K P Sinha , Dept of Physics for having painfully gone through the text to make it foolproof , flawless as well as the contents sustainable for the SAR . The NAAC college team are also thankful to all those who diligently worked hard to obtain inputs including data and figures to prepare the SSR .

Indeed ,the SAR would not have been complete in the present form , design and text had our founder teacher and former principal of the college Dr Nirmal Kumar Srivastava , our most revered teacher of the department of commerce , not provided us with the information in every detail about the college since the days of its inception . Though he had superannuated from college service , his unflagging zeal and vision for higher education really shaped the destiny of our college . The history of our college has been a constant voyage for improvement in quality teaching under the able guidance of academics of repute . The college NAAC team also wish to thank profusely to all those who have been a part for preparing the SSR for NAAC .

Enthused by the warmth of feelings and elated joy in anticipation , we are looking forward to the visit of the NAAC Peer team to our college with soaring hopes and expectations that the Peer Team would acknowledge our precious little efforts and achievements for the all round development of the college catering to the needs of students in particular and the society as a whole .

## B D COLLEGE , Patna , Bihar NAAC Executive Summary

### Criterion I : Curricular Aspects

B D College , previously known as B D Evening College , had come into existence in 1970 to fulfil the needs of students particularly of the locality which remained deprived of education in the real sense . Guided by true objective and goal , the college took up cudgels right from its infancy to fight ignorance and dispel darkness from the minds of the budding youngsters and bring them within the folds of divine knowledge and academic pursuits .It is with this end in view that the college has been able to maintain teaching quality during the past 43 years of its being .To make the youths more susceptible to literacy , to be good citizens of the country as well as a part of the national development , the college has been making a constant tryst to transform them into good human beings with positive attitude and vision .

The college had gained a constituent status of Magadh University ( MU ) way back in 1986 . Since then it did not look back so far academic improvement and building up the required infrastructure are concerned . Presently the college has been providing teaching at three years Degree with Honours and Post Graduate ( PG ) in Commerce courses .Besides, the college has introduced self financed vocational courses like MBA , BBM , BCA , B Sc ( IT ) , B Sc Industrial Microbiology , B Sc Biotechnology , Functional English and Banking and Insurance Management . A few more vocational courses like MCA are likely to come into being soon after getting a nod from the university . That apart , the college has been imparting ‘ Spoken English ‘ classes to develop communicative skills in students at a time when they are facing a cut throat competitions to eke out a livelihood on their own .

To give a fillip to higher education, the college has taken several steps to streamline academic atmosphere on the college campus . While 75 per cent attendance has been made mandatory for each student to be present in the classrooms , dress code has been strictly introduced in the college to maintain uniformity in the academic field . The college campus has been declared ‘no smoking zone ‘ with greater emphasis on maintaining academic discipline in and off the classrooms . The students’ grievance cell has been set up with the sole aim to keep a track on the problems facing them . Parents- teachers’ meet has become inextricably a part of the regular activities of the college to maintain a direct interaction between the teachers and the taught .The college has set up a Proctorial Board in each stream to look after not only academic discipline , but it is also to redress students’ problems on the spot . The basic purpose of the Proctorial Board is also to give a patient hearing to students’ grievances as well as to help them focus more on academic activities .

That apart , the college has NCC , Navy and NSS wings which have been acquitting creditably at both national and state level drills and performances . The NCC has of late brought laurels to the college when the cadets of the college were selected to participate in the historic Independence Day parade at Red Fort , New Delhi .Navy and NSS have also left deep imprints of their impact as they creditably excelled in their respective fields .

To motivate underprivileged and poor students of the college to acquit themselves creditably in the academic field , the college has introduced ‘ smart classes ‘ for them . It is no denying that

these classes have yielded tangible results so far giving self confidence in them to build up their future by virtue of sustained hard work. As Father of our Nation Mahatma Gandhi has rightly propounded ‘ students of today are the nation of tomorrow ‘ , it is with this belief our college has been imparting teaching to students to be proud citizens of the country and build up a strong nation . The college is fettered to Pt Nehru’s belief that the sole objective of teaching is to achieve an organized development of personality in students to serve the nation and society as an ideal dreamer who always looks forward for a change for betterment .

During the past five years the college has spent a sizeable amount on procuring new apparatus for the laboratories . It has taken an initiative to furnish science laboratories , say laboratories of Physics , Chemistry , Botany and Zoology , with the advanced tools and apparatus to fulfil students’ needs . Practical classes in science streams have been given a due place in a day to day academic activities of the college . A language lab is in the offing at the college to give an impetus to improvement in communicative skills among students who are keen to gain proficiency in ‘ Communicative English’ .

To maintain an ecological balance , the college has pressed into work self dedicated students who have a longing to create mass awareness among students about the need to preserve Nature’s glory and serenity . Banners , posters and graffiti have

been a medium for the college students to inculcate values for Nature’s glory among the youths and common people in general in and around state capital .

The college has also set up a mechanism to keep a tab on the academic activities of the college . Under the procedure evolved the college is making a periodic revision to update the academic curricula of different subjects . Project work , assignments , field work , educational trips and excursions have been a part of further galvanizing academic activities on the college campus . The college has introduced a fed back system from students to keep a close vigil on the performances of the subject teachers concerned . Students of vocational courses have been provided with the required infrastructure in their respective departments so that they do not lag behind putting in the best in themselves . Seminars , workshops , debate and tutorials are dotted with regular curricula of the college to suffice students’ needs .

## **Criterion II : Teaching – Learning and Evaluation**

Internal Quality Assurance Cell ( IQAC ) has been set up at the college with the sole purpose to chalk out a foolproof strategy to implement and discuss threadbare issues related to teaching – learning and evaluation methods being carried out in the college . To begin with , the college has adopted a mechanism with full transparency to admit students to various courses of studies . Though merit is the sole criterion for admission in the college , tests followed by interview are mainly adopted by the college for admitting students particularly in vocational courses . Besides, the college strictly follows the guidelines of reservation as laid down by Government of Bihar while admitting students to various courses of studies .

Our college is a coeducational institution and thus the number of girl students outnumbers boys in a few streams . The college provides additional facilities to physically challenged students who are pursuing their studies in various courses with tenacious determination and unflagging zeal . Free studentship is being awarded to students purely on merit and as per the guidelines formulated from time to time by the academic council of the college . Besides , the college offers a blend of academics and extra curricular activities including indoor and outdoor games

to students to make them stronger on both mental and physical level . During orientation programme which is held every year before

commencement of the academic session , the freshers are briefed about ‘ dos and don’ts ‘ on the college campus . They are made to feel that the college strictly abides by academic rules and discipline on the campus . Violation of the rules and any infringement mercilessly beacon disciplinary action by the college authority .

Though college is alive to the students’ needs , remedial classes , counseling and extra classes are being held for the needy students during holidays enabling them to keep pace with progress in studies in different streams . The college academic council religiously monitors academic progress of students which is subsequently discussed with their parents and guardians during the parents- teachers’ meet at the college . To maintain academic calendar more viable , the college holds monthly tests as wells sent up tests to test their knowledge and progress in studies . Virtually teaching- learning method is centered around students’ progress . Most of the departments of the college have been provided with free internet services so that they could update advancement in studies in different fields . The college is already having Wi Fi facility which enables each department to get in touch with the advanced teaching – learning methods being adopted across the globe .

Library is the soul mate for serious students as it provides various kinds of facilities and accesses to them to the latest and modern system of learning . Our college too does not lag behind the genuine pursuit for knowledge through the medium of library .The library has about 17344 number of books belonging to commerce , science and arts streams. Of late , it has gained status of e-library linking it to online facility in the larger interest of students , research scholars and academics of the college . The college has also taken care to furnish departmental library in most of the departments . Journals , magazines , newspapers and required materials are being made available in the library and in the departments to fulfil the needs of both the teachers and the taught .

The college has 27 departments of different subjects functioning smoothly in close tandem with the principal’s office . Perhaps college has the largest number of departments as compared to any other constituent colleges of Magadh University offering teaching in more than 27 subjects . The number of permanent teaching staff is 112 , male 92 and female 19 . Most of the teachers are in the rank of university professor and associate professor , out of which 100 are Ph. D and three D.Litt degree holders much to their credit . Umpteen number of teachers who are highly qualified , have participated at the national level workshops , seminars and conference They have also presented their research papers at the national level workshops , seminars and conferences . Majority of them attended

UGC sponsored refresher courses to keep themselves abreast of the latest mode of teaching and skills . That apart , college has evolved an effective system for self appraisal of teachers so that they could make improvement in the quality teaching method . This system is also linked to internal self assessment of teachers as well as students’ feed back report .

Internal examinations of the college are being held in time to assess merit of students . However, university examinations are held at the college as per the university examination schedule . The examination papers are coded to maintain secrecy of the examinations . The college believes in conducting ‘unfair means free’ examinations . In case of any student being caught indulging into unfair means the college metes out exemplary punishment to guilty students during examinations .Besides, he or she is debarred from appearing at examination for

a period of one year as specified by the university examination rules . The college examination control room is fully computerized and it maintains transparency in the examination system with the help of a developed software .

### **Criterion III : Research ,Consultancy and Extension :**

The college is having the maximum number of teachers who are keenly engaged in research work or guiding research work to scholars in various disciplines of studies . Most of them are Ph. D supervisors who are piloting research oriented work successfully . At least 20 teachers of the college have been awarded UGC major and minor research projects . Their work has been highly acclaimed by the academics of repute at both national and state level conferences .

To accomplish research work successfully , the college gives an incentive to teachers and researchers . A sizeable amount has been kept in readiness to financially bolster the research work in the college . The college has spent a big chunk of money on the purchase of books , equipment and development of other required infrastructural facilities in the college. The college also subscribes to online journals to facilitate teachers of the science stream in particular to update their knowledge and technical skills . The college possesses an air conditioned ( AC ) hall to hold seminars and conferences at regular intervals in the college to promote an ideal academic ambience . The AC conference hall is equipped with multimedia projectors , sound system ,proper lights and other facilities to conduct seminars and conferences successfully .

The college has proposed to introduce INFLIBNET facility this year to further improve learning through the medium of college library . Wi Fi connectivity has been made available for both teachers and students on the college campus . Though the college has taken various steps to step up its academic activities on the college , efforts are going on to collaborate with other organizations for fostering academic and research activities in the college . In recognition to their work , most of the teachers and faculty members have been honoured with prestigious awards .

During the past five years college teachers pursuing research work in different disciplines , have published articles to their credit in international and national journals . Most of the faculty members of the college have published their books and articles for which they have earned encomium from the academics of repute across the country .

Students of the college are often being motivated to take part in the social based issues to develop society as a whole for healthy living of mankind on the earth . Polio pulse drive , AIDS awareness , tree plantation , street plays and other activities of the NSS , NCC and Navy have been playing a pivotal role to create mass awareness among ignorant and semi literate people of the society towards the need to do away with evils plaguing the society . In fact the college has been promoting institution- neighbourhood network through NCC , NSS ,Navy and Eco task force to keep the society free from social malaise .

To give priority to research work , the college has been providing all possible assistance to researchers , academics and participants to attend seminars , conferences and workshops being held under the aegis of the college on a regular basis . Scholars and academics of repute are being invited to the college to deliver their keynote address before an elite gathering of the teachers and researchers at the conference hall of the college .

That apart , the college is linked up to several agencies for providing advanced training to students in the field of developing technical know how ' capabilities to them . The college has adopted a permanent means to exchange faculty members , students and researchers with other equally more capable institutions for giving an ideal platform to them to imbibe in themselves spirit of genuine pursuit for research and new innovative ideas . Seminars , conferences and workshops are the main platforms for carrying on forward research oriented studies at the college .

#### **Criterion IV : Infrastructure and Learning Resources :**

The college is endowed with the required infrastructure in each key department . Though the college campus is presently located in about one acre , it is likely to expand its areas soon to cope with students' needs as well as to improve work culture of the college . The state government has of late handed over two government quarters of moderate size and shape adjacent to the college building to college for its expansion . These two quarters have been transferred to college through registry by Patna district administration and thus the college has prepared a blueprint for its expansion work .The college is having 18 classrooms , out of which four are large in size accommodating more than 200 students in each classroom . In addition , the college has two air conditioned audio cum conference rooms , six laboratories , two computer labs , one gas plant lab and a language lab on anvil to fulfil students' needs . Additional classrooms are being constructed at the 3<sup>rd</sup> and 4<sup>th</sup> floors of the college for which college is spending a sizeable budget this fiscal .

Notwithstanding it all , the college has a central library to cater to the students' needs in all respects . The college provides a separate reading room each for boys and girls . To keep a close watch on the academic discipline , there are five administrative rooms and six offices to streamline functioning of the college administration which believes in the collective accountability of the teachers and the taught for creating an ideal atmosphere on the college campus .Each department and classroom has been provided with CCTV cameras to keep a close vigil on the campus discipline. The college has a moderately spacious air conditioned auditorium for holding seminars , conferences and workshops on a regular basis . However, the college often puts up special stage and ' pandal' on the campus to organize a mega event on the college annual day function or any other important occasion .

The college also provides the basic required facilities to students such as safe drinking water , clean washrooms , common rooms which include a separate one for girls and a cycle stand . The college has provided separate washrooms for faculty members which include a separate one for women .The college has a health centre in the form of ' first aid ' medical facility. A placement cell has already come into being on the college campus to provide job opportunities to the talented and deserving students , be they from regular or vocational courses .

To give a fillip to games and sports , the college has procured a spacious ' Sanjay Gandhi' stadium located nearby the college on a contract basis to carry on outdoor games activities uninterrupted on its schedule each year . An MoU has been signed to this effect . In addition to athletic meet , the college is organizing football , cricket , volleyballs , basketballs and badminton competitions every year successfully to provide an ideal platform for the upcoming ad talented sports men . The college which emerged champions in football and cricket tournaments at the university and state level I the past, has had the proud distinction of

organizing several football and cricket inter colleges and inter varsity matches much to its credit. Like boys, girls do not lag behind in their participation in outdoor games activities of the college. The college has full time skilled physical instructor to organize both indoor and outdoor games and sports every year as per the schedule.

Keeping in mind the fact that some of the girls pursuing their career in the college are from other places, the college has provided girls' hostel facility to them at prime location area of the city. Though college has its no own transport facility, it, however, intends to provide transport facility in future for girl students in particular to ferry them from their hostel at least. The college is well equipped with generator facilities so that classes could not get interrupted during peak hours of teaching. These generators are high power back facilities which could sustain the load of power requirement. There is a canteen facility available on the college campus to meet the requirement of both teachers and students. The college has also introduced teaching in crowded classes through the medium of multi media projectors, overhead microphone and other devices to make lecture delivery process a two-way interaction.

### Criterion V : Student Support and Progression :

Located in the heart of the state capital, our college is well equipped from infrastructural development point of view. The college is imparting teaching at post graduate ( PG ) level particularly in commerce stream while the college intends to start PG teaching in a few subjects more to fulfil students' needs. The performance of students at university examinations shows that an average of 90 per cent students are successful

at the examinations, some of them securing ranks at the university level. The college has meticulously planned to post all its latest information with regard to publication of results and examination schedule on its own website [www.bdcollegepatna.org](http://www.bdcollegepatna.org) for the convenience of students and their guardians too. The PG commerce department of the college has been made online now to fulfil students' needs in connection with processing admission or any other matter related to academic pursuits. Besides, applicants to various courses of studies could have an easy accessibility to download the required information from the college website to serve their needs.

To make students accountable for maintaining academic discipline on the campus, they have been made class representatives to keep with day to day progress in their studies. Remedial classes and counselling have been a regular part of their academic activities. The college often invites expert counsellors to give tips and guidelines to students of the vocational and regular courses about their future career. Spoken English classes are held for those students who are keen to improve their proficiency and conversational skills in English.

In addition to it, parents-teachers' meet is a major step taken by college authority to interact with parents / guardians of students directly about their wards' progress in studies as well as their lackadaisical attitude towards studies. It has helped the institution to maintain a healthy relation between teachers and parents.

## Criterion VI : Governance ,Leadership and Management :

The college principal , proctorial board ,coordinators ,controller of examinations , all heads of the department ( HoDs ) and faculty teachers have been playing a pivotal role in spearheading good and effective governance on the college campus .Driven by its basic objective to maintain excellence in teaching and development , the college has fully ensured that weaker section of the society is empowered to carry on the goal of social justice . Internal Quality Assurance Cell ( IQAC ) has been a watchdog to keep a tab and surveillance on the campus activities . The college has also an academic council with principal as its ex-officio chairman to maintain academic activities right from commencement of classes to end of the classes till the evening .

The academic council is entitled to take any policy decision in due consultation with principal and other members to enforce routine at the beginning of the academic calendar or any change in the curricula . The college has an alumni association known as ‘ An Alumni Association of B D College , Patna ‘ . The association meets once in a year to revive a string of the old bondage with the college . Some of the alumni association members actively participate at the college functions as and when they find it convenient .The very purpose of the association is to motivate young students to step into the footsteps of great me of the country . To serve the society selfless for a better dawn has been the basic concept of the alumni association of the college .

## Criterion VII : Innovation and Best Practices :

Committed to uphold the cherished values of education in the field of higher education , the college has introduced various innovative practices with an end to motivate students in particular to channelize their energies on achieving academic pursuits on the college campus . The five core principles of NAAC – national development , fostering global competencies among aspiring students , inculcating a healthy value system , promoting the use of technology and quest for excellence - are now the cornerstone for students’ building future career as humble citizens of the country .

Though the college has adopted various innovative and best practices to set the benchmark for the students ‘ future career , it has of late introduced water harvesting and solar light system on the college campus . Idea behind water harvesting is to use waste water for the purpose of gardening in the college as well as use it for watering plants of Botany and other plants of academic interests in particular. The college has also successfully experimented with solar light system . The thought behind it is to preserve our energy at a time when its demand is on the increase in township . Besides , use of solar energy plant has proved beyond doubt that it could be a convenient method to fully exploit its abundant resources for the constructive objectives . And our college beacons merit for making such an innovative practice on the college .

## Criterion I : Curricular Aspects

### I.I Curriculum Planning and Implementations

**I.I.I State the vision , mission and objectives of the institution, and describe how these are communicated to the students , teachers , staff and other stakeholders .**

## **VISION :**

**To instill a spirit of full commitment and devotion at the mental and moral level among students to be good citizens of the country to serve the society for a better tomorrow as enshrined with our motto ‘ Tamso Maa Jyotir Gamaye’ ( Beseeching Goddess of Learning to Lead Us From Darkness to Light ) .**

## **MISSION OF THE COLLEGE :**

- = To accord priority to education for all as enshrined in the Constitution of our Country .
  - = To promote social amity , religious tolerance and community development to foster national integrity .
  - = To create an ideal atmosphere for academic activities for both the teachers and the taught in the sphere of higher education .
  - = To cherish the dreams of students as fervently visualized by them in the pursuit of divine knowledge through the medium of career oriented learning.
  - = To effect the desired transformation in the field of higher education with the help of modern and communication technology.
  - = To create an atmosphere for research and skilled teaching in the college through the medium of vocational courses .
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- = To awaken students to the ground reality of the basic tenet of teaching and values of education .
  - =To sensitize students on socio- economic issues dealing with the social demand of equality , fraternity and brotherhood through the medium of co-curricular activities .
  - = To incorporate any change in the curricula to make students more sustainable to the increasing needs of higher education .

### **I.I.2. How does the institution develop and deploy action plans for effective implementation of the curriculum ? Give details of the process and substantiate through specific examples .**

- = To ensure value added education scenario on the college campus .
- = To promote a meaningful dialogue between faith , culture and belief .
- =To take care of each individual to achieve his or her goal.
- = To mould each student towards achieving community development in a civil society .

## **OBJECTIVES :**

- = To incorporate the most modern and advanced skills and technologies for the development of curricula as prescribed in the courses of studies .
  - = To ensure availability of an ideal atmosphere for the promotion of research and creative learning .
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- = To maintain equality and high moral standards in the quality teaching being imparted by the college faculty members .
  - = To prepare students with unflinching faith and determination for better avenue of job opportunities in life .
  - = To make literate people of the underprivileged and have-not society .

The goals are made known to the students and other stakeholders through :

- = College website
- =College prospectus
- =Display on college notice boards
- =Brochure
- = College Alumni Association
- =Teachers- Students' meet

**II.3 What type of support ( procedural and practical ) do the teachers receive ( from the University and / or institution ) for effectively translating the curriculum and improving teaching practices ?**

The college is presently pursuing a slew of academic programme at Under Graduate ( UG ) and Post Graduate ( PG ) levels :

UG Courses

Science Stream : B Sc ( Honours ) courses are being taught in the following subjects :

- 1 Chemistry
- 2 Physics
- 3 Botany
- 4 Zoology
- 5 Mathematics

Arts Stream : B A (Honours ) courses are offered in the following subjects :

- 1 English
- 2 Hindi
- 3 History
- 4 Political Science
- 5 Economics
- 6 Philosophy
- 7 Geography
- 8 Psychology
- 9 Sociology
- 10 Sanskrit
- 11 Urdu
- 12 Pali
- 13 Prakrit
- 14 Ancient Indian History and Archaeology
  
- 15 Rural Economics
- 16 Maithli

Commerce Stream :

B Com ( Honours ) is offered by the college with specialization in the following papers :

- 1 Accounts group
- 2 Corporate group

## Post Graduate Course in Commerce ( M Com )

The college has introduced semester based PG teaching in Commerce stream with effect from the academic session 2012 – 2013 with specialization in two groups . Prior to it , PG teaching in Commerce was initially introduced in the college during the academic session ( ) .

- 1 Accounts group
- 2 Marketing Management

## UG Courses:

- 1 Bachelor in Computer Application ( BCA )
- 2 Bachelor in Business Management ( BBM )
- 3 B Sc ( IT ) Information and Technology
- 4 Functional English
- 5 B Sc Biotechnology
- 6 Industrial Microbiology
- 7 Banking and Insurance Management

## Certificate Course in : Spoken English

### PG COURSE in : MBA

#### Courses in the offing :

= The curriculum in each subject is revised as per the guidelines and needs of the course .The college has introduced several job oriented courses such as BBA , BCA , Biotechnology , Functional English , Industrial Microbiology , Banking and Insurance Management and MBA to make students explore themselves avenue of jobs soon after completion of the courses . The number of girl students has increased opting these professional courses during the past three to four years in the college . The college is alive to the fact that students pursuing realize their dream for a bright career .

### **Research :**

The college has taken various steps to improve the academic ambience on the college campus during the past five to six years .Research activity is of course one of them . To promote research work teachers and students are being goaded to carry on research in their respective fields of academic pursuits . In addition to incentives , the college has developed infrastructure

in each department of the college to give an impetus to research activities . Students are being motivated to get associated to research wings of the college and contribute their research oriented articles the college journal which is being brought out to highlight research fervour as the part of the college academic activity . The science laboratories of the college have been furnished with an aim to provide ample opportunities to those students who have genuine flair for research work in different disciplines of the studies .

That apart , the college has provided computers to each department to keep pace with the fast development in research fields . The updating departmental library has been given a priority now . It has been furnished with the latest journals and magazines. The college is also a member of various research societies and academic activities much to its credit at the national and international levels .

### **Extension :**

Committed to propel the growth of literacy among the downtrodden and weaker sections of the society , the college has the largest number of students on its rolls for various courses of studies . It is carrying out its extension activities through NCC , Navy and NSS units to achieve the desired objectives of higher education . Besides, Eco-Task Force of the Zoology department is also engaged in a plethora of activities aiming at spreading proper awareness among students about the need to keep society in a healthy stead for the mankind to live in peace and harmony .

### **I.I.4 Specify the initiatives taken up or contribution made by the institution for effective curriculum delivery and transaction on the Curriculum provided by the affiliating University or other Statutory agency.**

The college has listed its own goals and objectives in consonance to the needs of students . The college does intend to address the following major considerations to translate its goals and objectives into a reality :

#### **Intellectual academic and training :**

The college is offering over a dozen job oriented courses which include diploma , certificate , degree and post graduate level studies to fulfil students' needs . The college revamps curriculum from time to time to academically suit to students' needs as guided by the university academic council so that these students could suffice the needs of job opportunities at a time of cut throat competitive age . A well equipped language lab is in the offing at the college to train those students having a flair for English language as well as for developing communicative skills . Besides, the college has set up ' on the job training ' programme for the job aspirants through the medium of proper counselling and motivation .

#### **Access to the disadvantaged and equity :**

The college is located in an area where the majority of people come from social justice category. It is with this intent the college is giving preferences in admission to disadvantaged

and marginalized students including girls to various regular and vocational courses purely based on merit and priorities . The ethos of equity and equality are being maintained in the college by strictly following the UGC and state government criteria as laid down for reservation in awarding admission to students of both boys and girls .

### **Self Development / Community – National Development / Ecology and Environment :**

= Self development is being effected among students through various activities akin to curriculum and co-curricular activities .

= The prime objective of vocational teaching is to develop entrepreneurship among students . They are also briefed about the competitive global market and struggle for survival for the deserving , upcoming and talented students .

= Clubs like Eco- Task Force are involved in the ecology and environmental awareness drive in and around the college surroundings .

= Community services are being maintained with the help of NSS and NCC activities on a regular basis .

=The college women's cell is assigned with the task to take care of specific needs of the girl students on the campus .

=Burdened with the responsibility of providing opportunities to students for employment , the college placement cell has been holding interface with various companies to provide employment to job aspirants of the college based on their merit and eligibility .

=The college is providing proper guidance and counselling to students in general by a select team of teachers and counsellors.

### **Value Orientation / employment / ICT introduction and Global Demand :**

= The college is providing value added education to students through job oriented courses , add-on courses like certificate / diploma and advanced diploma courses .

= Value education which aims at building character of students , is being imparted to students in accordance with the ideals enshrined in the university syllabi and UGC guidelines .

= The college is providing information communication technology ( ICT ) to students of different subjects with an aim to train them and make computer literate

=The curriculum is being updated to enable students learn more skill based teaching and to meet the global needs .

### **I.I.5 How does the institution network interact beneficiaries such as industry , research bodies and university in effective operationalisation of the curriculum ?**

Of course , the curricula being offered by the college does come to address the needs of the society giving a push to regional and national development needs . The measures taken by the college are as follows :

=The courses being taught in the college basically aim at achieving an all round development of students to provide ample opportunities for jobs as well as to ameliorate their lot

=Information Computer Technology has been introduced to maintain a golden link between students and job opportunities .

=A language lab is in the offing to sharpen students' knowledge and skills in Communicative English . This facility is to cater to the students' needs at the national and international level .

=Women based topics or subject matter have been incorporated in the curriculum of a few subjects like English , Political Science , History and Hindi to create mass awareness among the people in general about women's empowerment and their status in the society .

=The college has made project work and field visits a mandatory for students pursuing their career in vocational courses . It has given an exposure to students to get themselves acquainted with the local and national subject issues .

=The curriculum has been framed and designed by the university in such a way that Under Graduate ( UG ) students could opt for higher education either in the same subjects or any other subjects akin to courses of studies .

= Post Graduate course particularly in M Com( Commerce ) is based on semester system enabling students to get the feel of advanced studies in commerce stream at a time when business and commerce have gained their own importance in the global market .

= Studies in environmental science and Ethics have created mass awareness among the common denizens about day to day issues of life like pollution , global warming , sustainable development , conservation of natural resources etc . The study of Ethics aims at imparting holistic education to students with an aim to mould them to be good and humble citizens of the country .

The following subjects being offered by different departments do address the needs of the society and they have more relevance to the regional and national development needs as well :

**ENGLISH** : Feminist Criticism , Eco Criticism , Post Colonial Theory, Cultural Materialism , New Literature in English Indian Aesthetics .

**HINDI :** Western Poetics

**HISTORY:** National Movement

**BOTANY:** Ethno-botany

**ZOOLOGY:** Sericulture , Apiculture , Pisciculture , Ecology , Genetics , Statistics , Molecular Biology , Immunology , Reproductive Biology , Biophysics

**BIOTECHNOLOGY:** Molecular tools and techniques , Industrial Biotechnology Plant , Animal Biotechnology

**POLITICAL SCIENCE :** E-Governance , Gender , Dalit Politics , Economic Relations

**ECONOMICS :** Sustainable development and climate change .

**POLITICAL SCIENCE :** Gender and Dalit Politics , E- Governance

**FUNCTIONAL ENGLISH :** Journalism and Communication

**II.6 What are the contributions of the institution and / or its staff members to the development of the curriculum by the University ? ( Number of staff members / departments represented on the Board of Studies , student feedback , teacher feedback , stakeholder feedback , provide specific suggestions etc.**

= The college has co-opted subject experts and members from the academic field to represent Board of Studies of the respective departments of the college .

= The suggestions and feedback are sought from them while giving top priority in framing syllabi which aims at grooming the mind of students to achieve better and bright future in life .

= Computer knowledge has been made compulsory for most of the courses being imparted in the college . Students are being motivated to opt computer literacy programme for the betterment of their future career .

= The college has made computer knowledge a mandatory for each student pursuing vocational course in the college .

**II.7 Does the institution develop curriculum for any of the courses offered ( other than those under the purview of the affiliating university ) by it ? If ‘ yes’ , give details on the process ( Needs Assessment , design , development and planning ) and the courses for which the curriculum has been developed .**

= The college has been revamping the curricula of the courses as and when required to provide advanced learning to students particularly in the vocational courses of studies . To improve the communicative skills in English for students of vocational courses , the college has introduced

Spoken English classes for them . The syllabus has been framed in such a way to train them in the minimum period of learning from four months to six months duration of time .

= The college has planned to set up a language lab at a cost of Rs 10 to Rs 15 lakh with an intent to promote the language proficiency of the students .

= Keeping in mind the diversifying global scenario , multi – disciplinary courses like Bio-Technology , Bachelor in Business Management , Bachelor in Computer Science and many other courses have been revamped to fulfil students’ needs at the college .

= The revamped and restructured curricula of some of the courses being imparted in the college have been designed to meet the demands and challenges of global trends in higher education field as well as to develop global competency among the upcoming and career minded students .

### **I.I.8 How does institution analyse / ensure that the stated objectives of curriculum are achieved in the course of implementation ?**

=The college has implemented several mechanism to ensure that the basic objectives of the curriculum are strictly followed in the larger interest of students .Internal tests and examinations are held on a regular way to test knowledge and skills of students .

= Group discussion and seminars are the parts of students’ test of their knowledge and acquaintance with the curriculum .Besides, each department of the college holds separate tests for students and gear them up for fulfilment of their basic objectives .

### **ACADEMIC FLEXIBILITY :**

#### **I.2.I Specifying the goals and objectives , give details of the certificate / diploma / skill development courses etc . offered by the institution .**

= The goals and objectives of the college aim at grooming students to be good citizens of the country as enshrined in the Constitution of India . The very purpose of imparting education to them is to involve each one of them in the development of the society and country as a whole . The concept of learning is not confined to classrooms only , but it is also to help them learn from others in their day to day life .

= The college is offering a plethora of courses at the under graduate ( UG ) and the post graduate ( PG ) level to cater to the needs of students . While the programme options include teaching in 27 major subjects including science , arts and commerce , PG is being taught in commerce only at the college .However, the college does intend to start PG teaching in a few subjects soon after getting a nod from the university to fulfil students’ needs .

**I.2.2 Does the institution offer programme that facilitate twinning / dual degree ? If ‘yes’, give details .**

= The college does not offer any twinning / dual degree programme .

**I.2.3 Give details on the various institutional provisions with reference to the academic flexibility and how it has been helpful to students in terms of skills development , academic mobility , progression to higher studies and improved potential for employability . Issues may cover the following and beyond :**

- **Range of Core / Elective options offered by the University and those opted by the college**
- **Choice Based Credit System and range of subject options**
- **Courses offered in modular form**
- **Credit transfer and accumulation facility**
- **Lateral and vertical mobility within and across programmes and courses**
- **Enrichment courses**

= The college is strictly following the guidelines of Magadh University with regard to providing academic flexibility to students of the college pursuing studies in different streams . As per stipulation of the university , a student having 45 per cent marks in any subject is eligible for Honours course of studies . He / She opts for three years Honours programme along with two subsidiary subjects and one language subject for three consecutive years . Thus a student takes a total of eight Honours papers , two subsidiaries and one language paper . Non Hindi students have option to opt English as optional subsidiary paper of both 50 and 100 marks respectively .

= The college follows the academic calendar religiously as framed by the university and approved by the university academic council each year . The university academic council has now proposed to introduce semester system at the under graduate ( UG ) level soon as envisaged by the UGC to cater to the students’ needs at the national level as well as to maintain uniform education policy in the country .

= The college is offering academic flexibility to students to opt group of papers for both Honours and subsidiary subjects as per their choice . Computer learning is being made as a part of an optional paper in vocational courses with an aim to provide rudimentary knowledge and computer skills to them .

**I.2.4 Does the institution offer self financed programmes ? If ‘yes’ list them and indicate how they differ from other programmes , with reference to admission , curriculum , fee structure , teacher qualification , salary etc .**

= The college is offering nine ( 09 ) vocational courses now to fulfil students’ needs to cherish their goals and ambitions in life . These courses include MBA , BBM , BCA , BSc ( IT ) , Functional English , BSc Biotechnology , Industrial Microbiology and Banking and Insurance

Management . Except MBA , other courses are at the under graduate ( UG ) Honours level studies as approved and propounded by the university academic council .

=These vocational courses are different from that of the general and regular courses in the sense that they are purely professional and job oriented courses . The admission to these courses is made on the basis of merit cum eligibility test of students . The college also follows reservation quota while admitting students to these courses . Fee structure is -----

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However, curriculum is being followed as per the university framed and approved courses of studies . Teachers are qualified and they are paid Rs 250 per class . Most of the vocational courses have been outsourced by the college to ensure smooth running of classes in these vocational courses .

**I.2.5 Does the college provide additional skill oriented programmes , relevant to regional and global employment markets ?If ‘ yes’ , provide details of such programme and the beneficiaries .**

= The curriculum of various courses of studies have been designed based on providing multi-skill development of the students for better employability . Students are being imparted computer literacy programme to develop skills as well as improve their employment prospects at global and regional markets too .

**I.2.6 Does the University provide for the flexibility of combining the conventional face- to-face and Distance Mode of Education for students to choose the courses / combination of their choice ? If ‘ yes’ , how does the institution take advantage of such provision for the benefit of students ?**

= The college does not offer any distance mode of education for students . Therefore , conventional face –to-face and Distance Mode of Education flexibility is not being provided by the college / university right now .

**I.3 Curriculum Enrichment**

**I.3.1 Describe the efforts made by the institution to supplement the University’s Curriculum to ensure that the academic programmes and Institution’s goals and objectives are integrated ?**

= In addition to regular courses, the college offers value added courses with an intent to develop soft skills and entrepreneurial capacity to students . Computer awareness programme is available for all the students pursuing their career in different streams of courses . Community orientation is also promoted through the services of NSS , NCC , Navy , ECO –TASK Force etc. to achieve the goals and objectives of the college which is basically intended to groom students with sound education and inclination for development of a more humane society.

**I.3.2 What are the efforts made by the Institution to enrich and organize the curriculum to enhance the experiences of the students so as to cope with the needs of the dynamic employment market ?**

= The College, being affiliated to Magadh University, does not have the option of formulating its own curriculum. Nevertheless, a sincere effort is made to modify and enrich the curriculum to suit the intellectual requirements of students in the fast paced life through the involvement of faculty, department and other stakeholder.

**University level:** Faculty Members who are on Board of Studies take initiative to modify, enrich and organize the curriculum. As per UGC guidelines, teachers of our college, who are on Board of Studies and Board of Examinations have stressed the need to study Environment Science in terms of relevance to regional and global needs. In the same way, to impart value addition, Human Rights Education has been introduced at degree level. Thus, the institution is redesigning courses that are relevant to the regional and national needs.

**At Institution level:** The College has taken various measures to cater to the global market needs based on the true assessment of strength and services offered on the campus. To develop the required skills, brain storming sessions are held for the faculty to design the tools in the areas of Spoken English, use of computers and providing in-depth knowledge in the respective subjects. Under the aegis of Vocational Studies, special training and orientation programme are conducted to enable the students to achieve the desired global standards. The College has designed certificate courses in Spoken English, Computer Networking and soft-skills to prepare the students for the dynamic employment market. All the departments in the College conduct seminars, workshops, group discussions and field visits to enrich the curriculum.

### **1.3.3 Enumerate the efforts made by the institution to integrate the cross cutting issues such as Gender, Climate Change, Environmental Education, Human Rights, ICT etc., into the curriculum?**

B D College has always actively responded to the momentous issues of our society and socio-political environment of the world. To integrate the cross cutting issues like gender, climate change, environment education, human rights, ICT etc. positively into the curriculum, the college has established Women Empowerment Cell, Legal Cell, Saplings of Life Club and Red Ribbon Club.

**Gender Sensitization:** Panel Discussion on Women's Rights, National Conference on Women Empowerment through Higher Education, Seminars on Gender Equity are organized to create awareness about Gender issues and promote gender equity.

**Climate change:** Extension lectures on Global warming, Ozone layer depletion and Carbon emission organized to spread the message across all sections of the society.

**Environmental Education:** Environmental studies subject is taught in the university syllabus. National Seminar on **Environment Changes: A Global Concern** was organized to address profoundly urgent global issue and save environment. Awareness programmes on environmental issues are a regular feature. **Saplings of Life Club** has been formed to sensitize the students to this momentous issue. Students are given inputs regarding the concept and taken to field visit as part of their assignments and project work. The College celebrates World Environment Day, Earth Day, Ozone Day and other important days to drive home the significance of environment.

**Human rights:** Legal Cell, Anti-Ragging cell, Grievance Redressal Cell are active on the college campus. Human Rights has been introduced as a subject in the college. Talks on Consumer Rights organized, women's rights are organized and Human Rights Day is observed.

**ICT:** The College has state-of-the-art infrastructure for imparting computer training. ICT is included in the curriculum of PG as well as UG classes of all computer courses and classes of

some interdisciplinary courses. This foundational knowledge of computer and technology training make the students a part of global information system and enhances their avenue for employability.

#### **1.3.4 What are the various value-added courses/enrichment programmes offered to ensure holistic development of students?**

- **Moral and ethical values**
- **Employable and life skills**
- **Better career options**
- **Community Orientation**

= True to say , specially designed programmes enrich the curriculum by catering to the needs for the development of various skills of the students. Our mission being to ensure holistic development of students, the college offers the following value added programmes:

##### **Inculcation of Moral and Ethical values:**

- The Students are motivated by way of special lectures so as to instill moral and ethical values in them
- Yoga and meditation programmes are arranged
- Self-realization programmes in collaboration with the Art of Living are organized.
- Spiritual discourses at regular intervals
- Community orientation programmes such as Blood Donation camps, Visits to Old Age Homes, School for Blind are organized.

**Employable and Life Skills:** The Placement Cell consists of Soft Skill Trainers and Language Trainers. The Placement executive understands that the need of communication skills is vital for the students for better career options. Therefore, the college organises Communication Skills workshops under the aegis of School of Communications, Group Discussions, Power Point Presentations, Resume writing and Declamation Contests are held at regular intervals both in regional and English languages at the institution. Career counselling workshops are organized to orient the students. It is a regular practice of the Institution to invite expert resource persons to conduct workshops on the development of interview competence among the students. Students are also allotted different responsibilities in organizing various events and activities such as cultural programmes, competitions, seminars, workshops etc. In this way, they improve their team building and organizational skills.

**Better Career Options:** The College provides regular computer classes for all students to develop their skills of advanced computer operating principles, Web Designing, E-content development, Multimedia and Animation and awareness on recent trends in the arena of computer technology .

**Community Orientation:** Institution regularly organizes Blood Donation Camp, AIDS awareness, Drug Abuse, Environmental awareness programmes and it religiously observes World Water Day, Global Warming in collaboration with NSS, Rotary Club, Lions Club and other NGOs to instill social consciousness among students. The college provides computer coaching classes and other vocational training in Textile Designing, Dress Designing, Block printing, Fabric painting for the marginalized sections of the society. Environment friendly initiatives, drive against female foeticide and other social outreach activities like visits to old age homes, leper colony, school for the blind are organized to give the students a taste of real life situations and become socially responsible citizens. The innovative certificate courses and the

extension activities which instill social consciousness enrich the curriculum and ensure holistic development of students.

### **1.3.5 Citing a few examples enumerate on the extent of use of the feedback from stakeholders in enriching the curriculum?**

The College networks with the stakeholders to collect and document responses on curriculum from the stakeholders. The students express their opinion on curriculum through response sheets/ feedback. Feedback from Parents on curriculum, placement, trends and teaching methodology is obtained during Parent Teacher Meeting sessions being held at the college . Responses on curriculum are also gathered from the College Alumni and peers. The IQAC analyses feedback and prepares response chart for future use by the Principal. The feedback thus obtained is communicated to the University for appropriate action through the faculty members who are part of the Board of studies and Board of Examiners in the particular faculty at the University. The feedback has been utilized in enriching the curriculum in the following manner:

- The present syllabi of Commerce and Computer Applications are based on industry-market needs.
- Masters in Commerce introduced to meet the demand of stakeholders.
- Inclusion of project work in the final year of MBA, BBM and other vocational courses is to enable students to have a better grasp about the industry requirements.

### **1.3.6 How does the institution monitor and evaluate the quality of its enrichment programmes?**

The College uses education as the tool for empowering men and women through the transaction of the enrichment programmes .It has adopted the system to address the all-round development of the students enrolled in the various academic programmes .The feedback on various enrichment programmes in the form of interactions , discussions and suggestions as received through response sheets is analysed by external coordinators and a summative report of the same submitted to the Principal. The IQAC monitors and evaluates the efficiency and success of these enrichment programmes. The Institution makes sure that the programmes offered in the curriculum include contribution to national development, fostering global competencies among students inculcating a value system among students, promoting the use of technology and quest for excellence.

## **1.4 Feedback System**

### **1.4.1 What are the contributions of the institution in the design and development of the curriculum prepared by the University?**

Designing and restructuring of courses of studies mainly rest with the university academic council . The college, however, makes significant contribution in the curriculum design and development. The existing courses are restructured and updated to meet the emerging national and global trends by reviewing periodically the syllabus of the reputed institutes, by organizing and attending education fairs and seminars/conferences on emerging trends in various sectors. Our faculty members keep themselves abreast of the changing national and global trends by attending Refresher Courses and participating in seminars. The college holds meetings to review the adequacy and viability of the existing courses and the changes required to dovetail into the contemporary system are discussed with all the faculty members. In-house departmental meetings are held to review the courses and programmes being taught at the college in different streams .

Feedback of students and their parents on the desired changes in the curriculum are obtained. Inputs from alumni and employers are also taken into consideration. The University's vision and perception of teaching programmes is also conveyed to the college authority

concerned . The feedback thus obtained is analyzed. The Principal discusses the key findings with the Heads of the Departments. Members of staff on statutory academic bodies communicate the suggestions/recommendations to the Board of Studies meeting held at the University for redesigning the programmes for appropriate and effective inclusion by the University

**1.4.2 Is there a formal mechanism to obtain feedback from students and made use internally for curriculum enrichment and introducing changes/new programmes?**

The existing programmes are reviewed and new age programmes introduced to create better opportunities for students. Feedback from students, alumni, parents, academic peers and community are obtained for formulation and introduction of new courses.

- a) **Students:** A Performa has been designed to obtain feedback on curriculum. The Performa is distributed through random selection of students.
- b) **Alumni:** Alumni Meet which is a regular feature , provides a platform to its old students to participate in college activities and give their valuable suggestions on curriculum.
- c) **Parents:** The feedback on curriculum is obtained during the Parent-Teacher Meet organized to apprise the parents with the performance of their ward and obtain their feedback on the functioning of the college.
- d) **Industries:** Regular interaction with industry experts by inviting them for delivering expert talks and industrial visits organized for the students provide an opportunity to interact with the industrial sector and obtain their inputs on the curriculum.
- e) **Academic Peers:** National seminars, conferences, workshops and extension lectures organized from time to time facilitate exchange of ideas with the peers on various issues to benefit students most .

**1.4.3 How many new programmes/ courses were introduced by the institution during the last four years? What was the rationale for introducing new courses/programmes?)**

The college is growing from strength to strength in terms of the wide range of the curriculum offered at the undergraduate (UG) and postgraduate (PG) levels. The college offers a plethora of undergraduate and postgraduate courses in the faculty of Humanities, Science, Commerce and Computers in tandem with the contemporary competitive educational scenario to empower women in particular through quality education and make them job fit in the contemporary world. The college has started the following new programmes to keep pace with the requirements of the changing educational scenario.

**Total Number of Programmes Introduced :2004-09**

**U.G. Elective  
Option  
U.G.**

**B.Sc.  
Biotechnolgoy  
(1)**

(2)  
Computer  
Application

3. Certificate Course in Spoken  
English
4. Certificate Course in Personality  
Development

New age academic programmes, value added and skill oriented programmes relevant to the contemporary times have been added to keep pace with the intellectual requirements of the fast changing globalised world.

- **M.Com introduced keeping in view** the growing demand of commerce programmes in the contemporary global educational scenario
- **B.Com. Honours** was introduced to provide indepth knowledge in Commerce and equip the students with requisite skills in the world characterized by economic liberalization

**Elective Options in UG Courses**

- To sensitize students about their status and rights in society ‘ Human Rights ‘ was introduced as an elective subject in B.A.

**Add on Programmes**

- Add on programmes in **Hospitality** with a focus on Skill development was introduced

**Any other relevant information regarding curricular aspects which the college would like to include.**

**CRITERION II: TEACHING-LEARNING AND EVALUATION**

**2.1 Student Enrolment and Profile**

**2.1.1 How does the college ensure publicity and transparency in the admission process?**

**Admission Process**

The college has a transparent admission process. The dates of admission for various courses as per university guidelines are displayed on the website, advertised through Cable T.V., and announced on FM Radio. Admission Notice is also notified through the newspapers. The prospectus and application form is uploaded in the college website. Application forms can be downloaded or bought at the college.

**a. College Prospectus**

The college ensures wide publicity to the admission by printing College Prospectus containing the campus profile, details of Academic Programmes (conventional, vocational, innovative) designed to fulfill the needs of students in the contemporary scenario, the vision, mission of the institution, the facilities/ scholarship for meritorious students and the host of opportunities the college offers.

**b. Institutional Website**

Institutional website has been developed. Complete details are placed on the website to facilitate online access to the requisite information about the college.

**c. Advertisement in Regional/ National Newspapers**

Advertisement is given in leading local as well as national level newspapers. Handbills listing the salient features of the college are also circulated in regional newspapers to enhance the quality and quantity of admission.

**d. Any other (specify)**

- Promotional CD has been prepared to give a glimpse into the life of B D College .
- Banners are put up at prime locations
- Scrolling the salient features of the college on Cable TV
- Interviews/advertisement on Radio Mantra/ FM
- Visits to schools in different states and border areas of Punjab
- Courses offered in the college are popularised through media advertisements, distribution of pamphlets and participation in educational fairs.
- Special programmes are conducted for school children by individual Departments to generate awareness regarding the college curriculum and instil a thirst for higher levels of learning
- The college organises exhibitions for school children with adequate representation from each department, to create an increased awareness among them regarding the various fields of Higher Education and the available career options which in turn helps them to make appropriate choices.

**2.1.2 Explain in detail the criteria adopted and process of admission Ex. (i) merit (ii) Common admission test conducted by state agencies and national agencies (iii) Combination of merit and entrance test or merit, entrance test and interview (iv) any other) to various programmes of the Institution.**

A premier institution with a progressive outlook, aspirants from diverse backgrounds seek admission at B D College . The plethora of courses offered along with the quality of academic input attracts applicants for admission into the college. Students with excellent academic credentials as well as first generation learners from disadvantaged sections of the society seek admission in the college. Student enrolment procedures are in strict accordance with the norms required by the State Government/University for the aided stream. The college has more autonomy in the choice of candidates for the self-financed courses. However, it remains true to its mission of imparting holistic education to young women from all strata of society. Hence, the student profile of the college is often a healthy mix of young women who are high achievers and the under-achievers, the privileged and the marginalised, cutting across different economic and social backgrounds. Rooted in the firm belief that educating a woman tantamount to educating a family, B D College goes the extra mile by supporting needy students with resources in the form of liberal scholarships and stipends, career counselling and academic guidance within and beyond the classroom. The college has constituted an admission committee with the Principal as the convenor, Deans and HODs who are involved in the admission process, for selection of eligible students on the basis of merit-cum-reservation. The committee scrutinizes the application for admission with respect to fulfilment of the eligibility criteria prescribed for admission by the University. The marks obtained in Higher Secondary Examinations forms the basis for admissions. Institution admits students from economically backward classes, Wards of widows, destitutes, children of victims of terrorist attacks, natural calamities, affected persons under the free education scheme of the affiliating university. Postgraduate admissions are made with Minimum 50% marks in the Bachelors/Master's Degree Examination of University or any

recognized University. In case of SC/ST, and physically handicapped candidates the minimum percentage marks required shall be less by 5%.

➤ Admission procedures include combination of academic records and interviews. Admission to UG programme is based on CBSE or equivalent exam. Eligibility condition is as per Punjab Govt. / GNDU rules. The details of admission rules and procedure along with application form are made available after the CBSE exam. For professional courses seats are available in general as well as self-finance category.

➤ Admission to PG courses is based on B.A/ B.Sc/ B.Com. Score. Eligibility conditions are as per University rules. The details of admission rules and procedures along with application form are available after the declaration of B D College results. Applications are invited from the students for M.Com and other streams at UG level . Admission is granted strictly on the merit basis.

➤ For Sports, trials are conducted, the date of which is notified in national and regional newspapers.

**2.1.3 Give the minimum and maximum percentage of marks for admission at entry level for each of the programmes offered by the college and provide a comparison with other colleges of the affiliating university within the city/district.**

**General:**

For General courses, the cut off percentage for admission at the entry level is as prescribed by the university eligibility. Our mission being to provide the benefit of education to the lesser privileged and marginalized sections, there is no cut off percentage for admission at the entry level.

**Professional:**

For the Professional courses the cut off percentage at entry level is 60%. Merit in the qualifying exam is the main consideration. Talent in extracurricular activities and sports achievements at state and district level is given weightage (eligibility condition as per University proviso / rules )

**Vocational:**

For Vocational courses the eligibility criteria is adhered to.

**2.1.4 Is there a mechanism in the institution to review the admission process and student profiles annually? If \_yes ‘ what is the outcome of such an effort and how has it contributed to the improvement of the process?**

The institution has a mechanism to review the admission process and student profile annually Admission Process has been automated and the profile of the students admitted is obtained from the Campus Analyzer. Our admission committee makes an analytical study about their academic background and economic status from the statistical data (number and composition of the candidates applied and admitted in the undergraduate programme) obtained.

The departments whose programmes are in high demand are encouraged to consider starting additional sections in the self-financing stream whereas those with very low demand are directed to take extra measures to enhance their enrolment. In this process, a few departments like History, Social Sciences, Political Science and Economics have made necessary changes in their undergraduate programme, intensified their publicity mechanism and thereby succeeded in augmenting the quantity and quality of their enrolment. The Department of Political Science has

started Human Rights as a subject. The Department of Commerce has started additional sections in B.Com and M.Com keeping in view the increasing demand and scope of these programmes. Review of the admission process and the subsequent analysis of the student profile help in providing equal representation from all sections of the society. Student performance record in all the fields, academic, extra-curricular and sports is maintained in the office. The students, who bring laurels to the institutions in academics, sports, extra-curricular are given incentives and liberal concessions at the time of admission the following year.

### **2.1.5 Reflecting on the strategies adopted to increase/improve access for following categories of students, enumerate on how the admission policy of the institution and its student profiles demonstrate/reflect the National commitment to diversity and inclusion**

- \* SC/ST
- \* OBC
- \* Women
- \* Differently abled
- \* Economically weaker sections
- \* Minority community
- \* Any other

#### **SC/ST and OBC**

Reservation policies of the government are rigidly followed to ensure that the strategies adopted by the government in the creation of equity and provision of access to the SC/ST and OBC applicants are implemented. Help desks are set up at the college entrance to assist applicants from the most backward sections in the admission processes. Career Guidance and Counselling Cell units are also set up to help the new entrants make the right choice and fill up the application form.

**Different Categories of Persons with Disabilities** Physically challenged students are admitted adhering to Government norms. **Economically Weaker Sections** The college provides Management and Endowed scholarships for students from economically weaker backgrounds. There is also a provision of free seats to deserving candidates to promote inclusiveness and to encourage the entry of students from deprived backgrounds.

- Students from disadvantaged/less privileged sections of society are given liberal concessions
- Full fee concession is given to deserving students
- Students belonging to this section are allowed to pay the fees in instalments and the fine for paying after the due date is waived.
- Books are given from the Book Bank

#### **Outstanding Achievers in Sports and Extracurricular Activities**

- Sport students are given admissions in the major of their choice. They are given full fee concession
- Scholarships are provided
- Sports kit facility is provided
- Hostel accommodation with waiver of mess fees and hostel fee is given to sports students
- Special provisions have been made with regard to the coaching for sports students keeping in mind situations beyond their control which results in their prolonged absence from classes

The college also provides the following scholarships/Stipends:-

- Government, University, Military Stipends/Scholarships, as per rules
- Stipends (by Govt.) for granting educational facilities to the children of political sufferers.
- Scheduled caste/Tribe Scholarship/ Backward Class Scholarship.

**2.1.6 Provide the following details for various programmes offered by the institution during the last four years and comment on the trends. i.e. reasons for increase / decrease and actions initiated for improvement.**

**Programmes Number of**

**2.2.1 How does the institution cater to the needs of differently-abled students and ensure adherence to government policies in this regard?**

Special coaching classes are held for differently-abled students. Regular teachers offer their services .

**2.2.2 Does the institution assess the students ' needs in terms of knowledge and skills before the commencement of the programme? If \_yes ' , give details on the process.**

Our students mostly hail from the state. The students' knowledge and skills are assessed before the commencement of the programme through interactive counseling sessions, questions hours and group discussions. The initial assessment of the needs of the students is made through aptitude test and personal interview after admission process. To further assess the knowledge base and skill needs of the students pertaining to the specific programme, special orientation lectures based on the basics/fundamentals of the programme/subject concerned are organized. Special sessions are organized to bridge the knowledge gap of the incoming students from different backgrounds. Teachers give extra time to the students to help them cope with the programme to which they are enrolled. Since one of the most significant challenges faced by the majority of new entrants is fluency in English and competence of communicative skills, the College has adopted different strategies to help the students. A programme on Spoken English comprising different modules has been developed by the Department of English for the enhancement of communication skills. An additional programme on Communication skills in English is also offered to students desirous of enhancing their communication skills further . Undergraduate and vocational course students benefit most through this programme.

**2.2.3 What are the strategies drawn and deployed by the institution to bridge the knowledge gap of the enrolled students to enable them to cope with the programme of their choice? (Bridge/Remedial/Addon/ Enrichment Courses, etc.**

Special sessions are organized to bridge the knowledge gap of the incoming students from different backgrounds. Teachers give extra time to the students to help them cope with the programme to which they are enrolled. Faculty of Science started Bridge Course in 2011-12 to enable the students to bridge the gap between high school and higher education. Commerce students are given coaching in Mathematics and special classes in Communicative English are organized to enable the students to cope with the programme.

**2.2.4 How does the college sensitize its staff and students on issues such as gender, inclusion, environment etc.?**

Women's Studies Centre has been established with the avowed aim of interpreting women's experience as well as changing their condition through a transformation of consciousness.

**Women Empowerment Cell:** To sensitize women about their status, identity and role, the college has established Women Empowerment Cell.

➤ Seminars and workshops on problems relating to women like female foeticide, dowry, and violence against women, Breast Cancer, AIDS are organized to prepare them to face challenges undauntingly.

- Awareness Rallies on Female Foeticide, Crimes against Women, AIDS awareness organized to enlighten the students about momentous issues concerning society in general and mankind at large.
- Time relevant and contemporary issues as ‘\_The Development of Attitude towards Women’ and ‘\_The Locus of Control within Working and Non-Working Women’ are explored for improving the status of women under study and the intervention is undertaken as per the outcome of the studies by organizing Awareness Programmes,
- To sensitize the students about their rights, a series of lectures with special reference to right of women are organized under the **Awareness Programmes**.
- A talk on the **Legal Rights of Women and Men** was organized. Legal experts delved at length upon the rights of women and men in general .
- In the Health Care programmes, the assistance of qualified doctors provided information to students on issues related to the process of growing up and adolescence .

#### **Environment Related Issues**

- **Saplings of Life Club** has been established to address profoundly urgent social issues like female foeticide and preservation of environment.
- Activities like tree plantation drives, maintenance of green belts, and drive against the use of polythene bags are undertaken regularly.
- Lectures/ Talks on Save Water, Rain Water Harvesting, Ozone Preservation, Waste Product Mangement, Organic Farming, and Vermicompost organized regularly.
- Choreographies, skits, street plays, song and dance presentations dealing with pressing environmental and social concerns are organized to spread social messages across all sections of the society. Many NGOs have been involved in these noble endeavours to make this world a better place for future generations

#### **2.2.5 How does the institution identify and respond to special educational/learning needs of advanced learners?**

Advanced learners are identified through interactive classroom teaching and classroom discussions. The college also has provision of class tests and quiz through which faculties can identify advanced learners. Various extension lectures are organized to respond to learning needs of advanced learners. The students also get opportunity to participate in several national events. They are constantly encouraged and guided for preparation of various competitions. Extra support is given to them for participating in national and international contests. Students are free to communicate with their faculty at any time and discuss their problems. Advanced learners are given additional project work and necessary guidance by their teachers in addition to extra reading material. They are also encouraged to participate in symposiums, paper presentations, poster presentation and quiz contests.

#### **2.2.6 How does the institute collect, analyze and use the data and information on the academic performance (through the programme duration) of the students at risk of drop out (students from the disadvantaged sections of society, physically challenged, slow learners, economically weaker sections etc.)?**

The Academic Audit Committee in conjunction with Admission Committee and Examination committee collects the data of academic performance of the students from the registrar’s office. The data is analyzed and the following remedial measures are taken:

- Remedial Classes for the disadvantaged sections of society and slow learners are organized
- Improvement Period is created. Teachers teach without any remuneration.

- Stipends and scholarships are given to students from economically weaker sections of society

### **2.3 Teaching-Learning Process**

#### **2.3.1 How does the college plan and organise the teaching, learning and evaluation schedules? (Academic calendar, teaching plan, evaluation blue print, etc.)**

The planning and organizing of the teaching, learning and evaluation schedules for all courses in each discipline is done by a committee consisting of the Principal and Heads of Departments.

**Courses to be taught:** The lists of courses for the coming semester/academic session are studied by the faculty of the department. Faculty is given the choice to select the courses based on their area of interest.

**Course Allocation:** Based on the course preference list, the Head finalizes the course allocation for the faculty members. Faculty members prepare the schedule of work, assignment questions for their respective course.

**Course Plan:** The course plan is made clear and understandable and reflects what the faculty is planning to do for the current academic and semester course. All the faculty members of the department prepare their course plan for their respective courses.

**Time Table:** We have a timetable committee in each faculty that sets up the time table. In all programmes we follow the guidelines of respective statutory bodies for the number of credit hours for each subject.

**Evaluation Policy:** The evaluation policy for each course is fixed well in advance and communicated to the students at the beginning of the year. Internal assessment has been introduced to promote attendance

**Remedial Examination:** Weaker students are given two chances to clear the subject by appearing in remedial exam and an exam of three hours duration for each course is conducted for courses having annual system

**Attendance:** A minimum of 75% all is required in each course. Evaluation of answer sheets is completed within 10 days and the results are published within 2 weeks of the conduct of the exam.

**Academic Calendar:** Yes, the college prepares the academic calendar well in advance before the commencement of the session. It is done by Registrar, Deans of Faculties and Academic Council Committee. The calendar outlines the session/semester schedule, examination schedule and schedule of holidays.

#### **2.3.2. How does IQAC contribute to improve the teaching-learning process?**

IQAC improves the teaching-learning process by

- Organizing training programmes in relevant computer-aided teaching and e-content development
- Motivating faculty members periodically to attend programs on new and emerging technologies
- Ensuring access to computers, internet and computer-aided packages available at the department and college level
- Introducing new age programmes relevant to the contemporary times in view of the feedback on curriculum obtained from students and other stakeholders like peers, research bodies, industry and parents
- Organizing Workshops on ICT based pedagogical skills to make the staff proficient in the use of ICT based tools and enhance teaching-learning process
- Workshops on e-content development organized
- Feedback on Teachers is also obtained to assure the quality of teaching learning.

- Visual aids used to enhance teaching-learning
- Educational tours organized to make teaching more effective
- By making teaching-learning more student-centric

**2.3.3 How is learning made more student-centric? Give details on the support structures and systems available for teachers to develop skills like interactive learning, collaborative learning and independent learning among the students?**

Learning is made more student-centric by laying stress on specific learning outcomes for all courses and making it more participatory and interactive through the following types of participatory activities: Group Activities like Group discussions, Model Making, Brainstorming, Field survey/Field work, Role Playing and Academic Debates which keep strengthening the knowledge base contribute to skill formation and managerial skills both at personal and interpersonal level. The language departments organize Quizzes, Magazine-designing, Creative Writing Competitions, Debates and Poetry competitions. Various subject societies and clubs have also been established with the avowed aim of tapping, nurturing and channelizing the energies of every individual student. The academic clubs of the departments organize activities to facilitate the creative academic pursuits of the students individually and collectively. Almost all the departments organize various types of co-academic and cultural events like quiz, poster-making, poetical symposia, paper-reading, debates, skits, choreographies etc. that help students in chiseling their personality. The interdepartmental academic programmes besides enhancing creativity bring a competitive edge to the academic endeavor of the students. The college has smart class rooms, Computer labs with internet facility, OHPs, Video-conferencing facility, Language Lab and seminar hall to develop interactive skills.

**2.3.4 How does the institution nurture critical thinking, creativity and scientific temper among the students to transform them into life-long learners and innovators?**

The college promotes creativity amongst students by encouraging them to publish materials in the college magazine, Wall magazine and News Bulletin. A major publication of the college is —Ayaam—the annual college magazine comprising different languages and subject section. This magazine enables our young writers to taste the excitement of having created something out of their imagination/intellect and provides them a platform for giving an expression to their creative urge. Creative endeavours like articles, stories, poems by students find a place of prominence in the magazine. Besides providing an opportunity to publish their creation, the magazine also involves them as Student Editors in all the areas of its publication right from editing, designing to printing while bringing out the college new literary magazine ‘ AROMA ‘. A number of teaching departments in the college have also put up their Wall Magazine whose display is handled totally by the students of different classes in rotational manner. Creative researches as well as review articles by the students are put up in the wall magazine along with interesting tit-bits and pictures. Various clubs and societies function in the college and keep the college brimming with numerous activities that extend beyond syllabus and text books. Student-centric in nature, these clubs aim at tapping, nurturing and promoting the creative energy that bubbles out of every individual student. Almost all the departments actively engage themselves in arranging various types of academic and cultural events like quiz, symposia, poster-making, paper-reading, debates, skits, choreographies etc. that help the students in refining and redefining their personality.

In addition to this, the College takes special efforts to instill and nurture creative and scientific temper among the learners by providing opportunities for the following:

- Academic projects

- Field work / Internship
- Seminars and Power Point Presentation Competitions
- Creative Assignments viz. Story writing competition, Slogan Writing, Essay Writing Competition
- Assessment of Higher level Cognitive ability through Quiz
- Participating in Academic activities at Regional and National level
- Organising Academic activities at Departmental and Inter collegiate Level
- Research paper presentation at the Regional / National level
- Organizing activities like: —Best Out of Waste, —Fun with Chemistry etc.
- Brainstorming sessions, Panel Discussions, Group Discussions

**2.3.5 What are the technologies and facilities available and used by the faculty for effective teaching? Eg: Virtual laboratories, e-learning -resources from National Programme on Technology Enhanced Learning (NPTEL) and National Mission on Education through Information and Communication Technology (NME-ICT), open educational resources, mobile education, etc.**

Setting minds free, allowing them the pleasure of exploring the subject without the barrier of blind, rote teaching is the basic principle governing our teaching methodology.

We have, therefore, introduced innovative practices in pedagogy in addition to the lecture method to assure and enhance our academic quality. Professional Courses and P.G. Course use the following teaching aids in addition to the lecture method:

- Smart class Rooms
- Audio-visual aids to supplement lectures in classroom
- Computer Aided Learning (Internet, Power Point Presentations) is provided for further learning
- Use of educational games in Chemistry, Psychology, Physics
- Language Lab
- Audio and Video lab
- Provision of the facility of INFLIBNET for online access to e-material for students
- Access to multi-media learning material
- Showing Movies/ CD's based on prescribed texts
- Students' participation in symposium/seminar (conducted by the college and other institutions).
- Training and Internships for Commerce and Computers students
- Group Discussions and Seminars for UG and P.G. students
- Educational trips are organized to give firsthand knowledge to students. Visits to Science City, Stock Exchange, Banks, Trade Fairs are a regular feature for vocational course students .
- Exposing students to industrial environment through industrial visits and industrial training.
- Organizing Seminars /extension lecture by experts in their respective fields to share their knowledge with students

**2.3.6 How are the students and faculty exposed to advanced level of knowledge and skills (blended learning, expert lectures, seminars, workshops etc.)?**

- Videoconferencing with experts from reputed international and national institutes
- Organizing National and International Seminars
- Organizing Extension lectures by experts in their respective fields to share their knowledge with students
- Interface with eminent writers, poets ,social workers

- Group Discussions and Seminars for UG and P.G. Students
- Training and Internships for Commerce and Computers students
- Educational trips are organized to give firsthand knowledge to students. Visits to Science City, Stock Exchange, Banks, Trade Fairs are a regular feature
- Exposing students to industrial environment through industrial visits and industrial training.
- Interdisciplinary programmes organized to widen their horizon and sharpen their critical acumen
- Students' participation in symposium/seminar conducted by the college and other institutions

**2.3.7 Detail (process and the number of students \benefitted) on the academic, personal and psycho-social support and guidance services (professional counseling/mentoring/academic advice) provided to students?**

**Career Guidance and Councelling Cell:** A Counselling Cell has been established for academic counselling. The faculty also participates in personal counselling:

- To help students to chalk out academic roadmaps for themselves
- To enable students to integrate themselves with the milieu
- To acquaint them with various career options through seminars
- To address problems related to stress, anxiety, examination phobia, peer pressure and adjustment to changed environment
- To help students, Periodic reports are shared with parents whenever necessary. Aptitude tests have been carried out to see the inclination of the students. Students were made to undergo this test and they had much to avail themselves of it.

**Mentoring**

- ❖ Mentoring of the students is our top priority. Each teacher takes keen interest to mentor students under their charge
- ❖ Teacher-student mentoring is a regular feature but we also promote student mentoring. Day scholars take the initiative to mentor students under their charge.
- ❖ Student Welfare Cell's members are always available to heed to the problems of the students. Students are always free to approach the teachers for any kind of guidance-personal, professional and so on. Students come with a burden and special endeavours are made to see that they get relieved of the burden .
- ❖ The students visit Students Welfare Cell where a lecturer (member of student Welfare) is made available throughout the day. Teachers come to the cell in their free periods. They counsel the students on diverse issues ranging from some personal psychological to social and academic.
- ❖ **100 students were provided psycho-social support through Teacher-student mentoring programme of the college.**

**Placement Cell:** The Placement Cell of the college helps the students take charge of their career development from exploring their options to securing the ideal job. The Cell not only offers help with career choice and job hunting, but it also helps in developing skills that employers look for by conducting training workshops. Numerous employers participate in on-campus presentations, talks and workshops. Campus recruitment fairs and interviews are organized to help the students find placements in companies of repute. It has been a matter of honour for the college to have WIPRO, Dell, IBM, Infosys, ICICI etc. to conduct placement campus drives from time to time.

**Student Welfare Cell:**

- Student Welfare Cell's members are always available to heed to the problems of the students. Students are always free to approach the teachers for any kind of guidance-personal,

professional and so on. Students come with a burden and special endeavours are made to see that they get relief.

➤ Also in 2011-12, about 50 students were provided health check up by doctors who visit the college thrice a week and conduct various checkups.

**No. of students benefitted from Student Welfare Cell: 150**

**Grievance Redressal Cell:** There is a regular, well established and fair procedure for redressing grievances regarding academic matters, health services, library and other central services. A cell is functioning under the able guidance of the Principal in consultation with members of committee and legal expertise (if and when necessary):

- To encourage the students to express their grievances freely and frankly
  - To promote healthy student-student and student-teacher relationship
  - To promote and maintain a conducive and unprejudiced educational environment
  - To uphold the dignity of the college by ensuring strife free atmosphere in the college
- The following mechanism takes care of the grievances of the students :

A Complaint Box has been installed on the campus . The grievance is taken up by the members of the committee, the case studied and discussed by the team, and the grievance redressed. No grievance has been formally presented which required going beyond the level of the faculty members for grievances regarding attendance issues. Some of the grievances redressed during the last two years are enumerated are listed below:

- Grievances of the students regarding evaluation in the internal examinations
- Grievances of the students regarding library hours
- Grievances of the students regarding attendance and lecture shortage

**2.3.8. Provide details of innovative teaching approaches/methods adopted by the faculty during the last four years? What are the efforts made by the institution to encourage the faculty to adopt new and innovative approaches and the impact of such innovative practices on student learning?**

Innovative teaching methods have been adopted by the faculty to boost the capacity to learn and to teach meaningful application of knowledge to young minds. The college encourages the faculty to complement the academic system with practical skills through various teaching methodologies that extend beyond the classrooms. Various and multifarious activities in almost all the practical subjects are integrated into the academic agenda. Activities undertaken are as follows :

- Video-conferencing with subject experts
- Power Point Presentations and use of internet to make teaching-learning more interactive and interesting
- Field trips
- Educational trips
- Socio-economic or psychological surveys
- Visits to industrial or corporate houses
- Internships with reputed firms/organizations
- National and international seminars organized
- Workshops and extension lectures by great scholars and subject experts
- Hands-on work experience in almost all the practical subjects are integrated into the academic agenda

- ICT based teaching methods are used for more and more topics as the college has three smart rooms and two computer labs with 100 computers and internet facility.
- Internet videos of selective topics e.g. to teach 3-D structures in Chemistry and Zoology are shown.
- CDs of topics related to Physics are shown.
- Help of models and experimental kits is taken to explain certain concepts.
- Feedback on lectures obtained from students
- To encourage the visit to library, students are also given assignments which they complete using books from library
- Special classes are held for slow learners and advanced learners
- A chart showing availability of teachers in their free periods is put on notice board of the department so that students can discuss their individual subject problems
- Students are encouraged to maintain wall magazine
- Experimental workshops are held for students
- Educational visits are organised from time to time

### **2.3.8 How are library resources used to augment the teaching-learning process?**

The library caters to the needs of teachers and students by providing access to books and journals. The college has a general library, departmental libraries and libraries at the different centres that cater to the needs of the teachers and students alike. There is a separate section for Reference Books. Text books are kept in separate book shelves/ almirahs. The books from the General library are issued to the students while departmental libraries facilitate reading in free periods. Open access system is followed.

The General library functions on all days except Sundays and government holidays. The library facility was extended on student feedback and functions till 5 pm. The books in the general library are categorized as **Reference/Reserve**. There is Book Bank facility to cater exclusively to the needs of the underprivileged students and are issued for longer period as the case may be. Books for **Competitive Examinations** are issued to the students. E-resources are hosted through INFLIBNET services. The Librarian helps the departments to purchase the latest edition of the books as per the requirement of the teachers. Provisions for ordering books online are also given. **Book exhibitions** on campus are organized from time to time to facilitate faculty members to select the books needed for teaching.

### **2.3.9 Does the institution face any challenges in completing the curriculum within the planned time frame and calendar? If \_yes ‘, elaborate on the challenges encountered and the institutional approaches to overcome these.**

The college has built-in mechanisms to ensure curriculum completion within the planned time frame. Some of these measures include:

- A well-prepared and complete College Calendar for the entire year.
- Individualised comprehensive work plan prepared by each department in the beginning of each academic session .
- Constant monitoring by the concerned authority and Academic Committee to ensure effective implementation of the work plans. However, at times the institution faces a few challenges in completing the curriculum within the planned time frame and calendar in extraordinary circumstances. The most common challenge faced is unexpected closure due to reasons beyond the control of the college authority . The provision of additional working days in the College Calendar helps the Institution to manage this challenge effectively .Teacher’s absence for long period either due to accidents/medical reasons also creates difficulties in completing the curriculum within the scheduled time. The college , however, ensures proper arrangement for

the completion of the curriculum . Faculty members take extra classes for the completion of courses. The demand for intensive teaching for conceptual clarity for certain batches of students, especially first year Undergraduate students, extra classes are taken for the completion of the course content.

### **2.3.10 How does the institute monitor and evaluate the quality of teaching learning?**

Academic Audit Committee has been established to monitor and evaluate the quality of teaching-learning. A systematic mechanism has been developed to ensure and enhance the quality of teaching -learning. Feedback relating to the curriculum is obtained from the students, parents, academic peers, alumni and other stakeholders and the recommendations /suggestions received are discussed and incorporated in the curriculum to make it more relevant and effective.

Feedbacks on teachers are also obtained from students to assure quality in teaching learning. The feedback obtained is analyzed and the concerned teachers counselled to improve academic standards. Inhouse meetings of the Academic Audit Committee are held to review the teaching methodology and pedagogical tools being employed. Workshops are organized to upgrade the teaching skills in view of the technological advancement and the role of IT in enhancing the quality of higher education. House tests are held to assess the performance of the wards and monitor the efficacy of the system. The internal assessment system which has been implemented also helps to identify slow learners and take necessary steps like special classes for such students to improve their studies.

## **2.4 Teacher Quality**

### **2.4.1 Provide the following details and elaborate on the strategies adopted by the college in planning and management (recruitment and retention) of its human resource (qualified and competent teachers) to meet the changing requirements of the curriculum.**

All faculty positions are filled as per the norms laid down by the University/Bihar Govt.

There are two modes of getting faculty:

- Open Advertisement in leading newspaper
- Making this information available on the university website . Eligible candidates are shortlisted on the basis of UGC guidelines and invited for personal interview. Assistant Professors/ Associate Professor are selected on the basis of their merit, research experience and their performance in personal interview by an interview panel comprising of competent representatives from the university and state government. Highly qualified and meritorious candidates with a good research potential are appointed to give a boost to research activities. The college has the required number of qualified and competent staff to handle all the courses. The college has the required number of qualified and competent teachers to handle all the courses. The college has permanent faculty strength of 119 teachers .

### **2.4.2 How does the institution cope with the growing demand/ scarcity of qualified senior faculty to teach new programmes/ modern areas (emerging areas) of study being introduced (Biotechnology, IT, Bioinformatics etc.)? Provide details on the efforts made by the institution in this direction and the outcome during the last three years.**

The college appoints additional faculty to teach new/ specialized programmes like MBA , BBM , Biotechnology, I.T. by outsourcing these courses to agencies as per University norms. The requisite number of posts as per conditions laid down by the university are advertised in leading newspapers and also made available on the college website. The eligible candidates are interviewed by a panel consisting of representatives from the university and government and highly qualified and meritorious candidates selected to teach the modern areas of study. The

college has the required number of qualified and competent teachers to handle all the courses of all departments.

**2.4.4 What policies/systems are in place to recharge teachers? (eg: providing research grants, study leave, support for research and academic publications , teaching experience in other national institutions and specialized programmes industrial engagement etc.)**

The college strives to promote professional development of faculty by:

- Encouraging the faculty to attend General Orientation Courses, Refresher Courses, Training Programmes and Workshops
- Organizing national /international seminars on crucial issues
- Granting Leave for attending national/ international Seminars organized by the reputed institutions
- Granting Study leave to the faculty for pursuing Ph.D
- Encouraging faculty to apply for research grants
- Organizing Guest lectures in various upcoming areas in different disciplines for faculty
- Providing support for attending international conferences also on a case by case basis

**2.4.5 Give the number of faculty who received awards / recognition at the state, national and international level for excellence in teaching during the last four years. Enunciate how the institutional culture and environment contributed to such performance/achievement of the faculty.**

The College has the distinction of having on its staff outstanding scholars whose erudition has been recognized at International and National level and added a new dimension to the reputation of the college. Formal Awards have been given to our faculty member in recognition of their meritorious excellence in their respective field.

**International / National -----**

**2.4.6 Has the institution introduced evaluation of teachers by the students and external Peers? If yes, how is the evaluation used for improving the quality of the teaching-learning process?**

Yes, the college has introduced evaluation of teachers by students. A proforma based on NAAC recommendations has been designed to seek suggestions of our prime stakeholders. This Proforma is filled up by our scholars who evaluate their respective teachers on the basis of their teaching style, methodology or pedagogic skills and their interaction level. (The secrecy of this exercise is fully maintained).The feedback is analyzed by the Head of the Institution and corrective measures taken to enhance teaching-learning.

**2.5. Evaluation Process and Reforms**

**2.5.1 How does the institution ensure that the stakeholders of the institution especially students and faculty are aware of the evaluation processes?**

At the beginning of the academic year the calendar containing details of all the college activities and general rules of evaluation is displayed on the college website as well as in the college prospectus. Syllabus is divided into three units respectively term wise i.e. (July-Sept., Oct.-Dec., Jan-Feb.) keeping in view the selection of material and the provision of revision to help students understand and assimilate what has been taught. It is compiled in the form of a Schedule of Work, which is made available in the respective departments and library for reference in the beginning of the session. The details of the evaluation system are explained to the students by the course instructors. Weightage of each component of assessment i.e (i) attendance and (ii) aggregate marks -- is further classified by faculty. A common orientation programme for freshers is also organized.

### **2.5.2. What are the major evaluation reforms of the university that the institution has adopted and what are the reforms initiated by the institution on its own?**

1. According to University Rule, a U.G. student has to get 75% attendance to qualify for the final examination. In order to reduce burden on the students we give them more than one chance to fulfil the university condition to sit in the final examination. So we conduct one house examinations for all the students one in the last week of November - December along with the tests. There are also some weak students who appeared in November – December . Keeping in view the welfare of the above category of students we conduct special test for them to save one precious year of their academic life.
2. In order to fulfil the university condition, number of lectures attended by the students in an academic year is counted from July – September, July – December and July - February. Then lecture shortage is calculated and students are informed time to time about the status regarding the number of lectures attended so that they can cover up their lecture shortage if any, by attending classes regularly in future. Further to encourage the students to be regular in the classes, **from the session 2012-13 special maximum attendance prize has been initiated** and is given to those students whose attendance is 98% or more.
3. From the session 2012-13 academic session has been introduced by the University for all the U.G. and P.G. classes and the conditions to qualify for the final examinations at college level have been removed. The only condition to qualify for the examination is the 75% attendance. Still the college has introduced the semester exams for PG students for the betterment of students so that they can prepare well for their final exams.
4. In order to improve the performance of the students‘ remedial classes for the weaker students, special coaching classes for the average students and special guidance for the advanced learners are arranged in the improvement period.
5. University has introduced the internal assessment for certain courses/subjects, but in order to encourage the students to be regular in classes, work hard and give better performance in house examinations, our college has started the concept of Internal Assessment (IA) for some other classes namely Computer (not covered by university ) from the session 2011-2012 on experimental basis. Although the weightage for Internal Assessment in these courses/subjects will not be considered for the final examinations. The concept of IA has been introduced in the session 2011-12 for all the classes.
6. Some other reforms / measures taken by the university to improve the efficiency are:
  - To check the unfair means in the final examination , the supervisory staff on duty has been swapped among various colleges.
  - The computerized working already operative in the university has been extended to different colleges from the last three years.
  - Keeping in view the changing scenario at the national and international level, the syllabi are designed accordingly from time to time to encourage analytical thinking among students and promote research

### **2.5.3 How does the institution ensure effective implementation of the evaluation reforms of the university and those initiated by the institution on its own?**

Since our college is a constituent unit of Magadh University , the examination system of the college inclusive of syllabus designing, setting of question papers, conduct of examination is according to the pattern of the university. According to university rules a student has to fulfill the following conditions to qualify for the final examination of the annual system: 75% attendance in classes at both UG and PG level .

The college has initiated the following major reforms:

- Internal Assessment on the basis of discipline, communication skills, ability to take initiatives, good behavioural patterns and innovative efforts introduced to ensure effective learning outcomes.
- Two House Examinations conducted for the students-last week of September and first week of December- to reduce the burden on the students
- Third Special Test conducted for the welfare of students involved in various activities such as youth festival, sports activities during the session, weak students unable to clear the condition, students unable to take the exam due to medical reasons.
- Remedial/ coaching classes for weak students
- Special Classes for Advanced Learners
- Incentive to students—Awards for Toppers in the University
- Awards/ Medals for Students placed in University Merit List.

Awards for students securing First and Second positions in the Internal Test

- **Effort Grade:** There are many students who make efforts but they never get first/ second/ third position in the class. They never get chance to be honoured on the prize distribution function. So keeping in view the continuous efforts made by them according to their capacity, college has introduced a special prize to motivate such students to enhance their performance.

1. Under the guidance of the head of the institution, examination committee and the administrative staff of college ensure the effective implementation of the evaluation reforms. Two centers (one for Arts faculty and other for Science, Commerce and Computer faculties) are generated in order to conduct the house examination. One member of examination committee for each center is appointed to check the smooth conduct of the exams in all respects such as

- Seating plan is generated under the supervision of the member of the examination committee on duty before the commencement of exams
- On the day of examination any type of problem related to question papers, supervisory staff, and non teaching staff is handled by the member of committee on duty.
- It is also the duty of the member of the examination committee to check whether the answer sheets have been collected from the examination center by the concerned teacher within the time specified on the notice or not.

2. After the exams the teachers are asked to deposit the marks list within eight to 10 days from the commencement of the exam. And a reminder is sent to the teacher if he/ she is unable to deposit the same in time.

3. In order to ensure the effective implementation of the monthly absentees and term wise lecture shortage, a lecture shortage committee has been constituted. Students are informed about their absentees at the end of each month .

#### **2.5.4 Provide details on the formative and summative evaluation approaches adopted to measure student achievement. Cite a few examples which have positively impacted the system.**

The college adopts Formative and Summative evaluation approaches to measure student achievement in a programme. Formative evaluation designed to test the cognitive skills of the students is based on tests, assignments, quiz, field trip reports, seminars, and practicals. Continuous internal assessment ensures regularity in classrooms .It makes the student innovative and also improves the students' performance at the annual examination.

#### **Impact on the System**

Motivated by this system, the students of Science have undertaken innovative research projects and prepared models. Students of Psychology have taken up case studies. Students of English have taken up assignments on thematic study of different authors. It orients the students towards research.

**2.5.5 Enumerate on how the institution monitors and communicates the progress and performance of students through the duration of the course/programme? Provide an analysis of the students results/achievements (Programme/course wise for last four years) and explain the differences if any and patterns of achievement across the programmes/courses offered.**

The college closely monitors the performance of the students through continuous evaluation methods. The evaluation system comprises of tests, assignments and a final exam at the end of the session . A Parent-Teacher Meet is organized to apprise the parents of their ward's performance. Also in the departmental meeting, performance is diagnosed to pinpoint students' learning difficulties and necessary remedial actions are identified to improve the performance of weak students. On the basis of internal examination results of the students are divided into three categories: weak, average and advanced learners. Remedial classes are arranged for students from rural background and are carried out early to avoid the learning constraints to take roots into the learning habits of the students. In the U.G. programmes, class tests are also conducted.

**College  
Univ. Pass  
%**

An analysis of the results of the UG and PG programmes reveals that the institution has consistently maintained an enviable position in its achievements in the University examinations every year, most of them being much above the university pass percentage . The brilliant results of the college bear out amply that the learning level of our students has been consistently high. It is a clear indicator of the efficacy of the teaching methodology employed by the faculty. A comparison with the nearest colleges which have been accredited with —All Grade further substantiates that the college has an intellectual ambience conducive to learning.

**2.5.6. Detail on the significant improvements made in ensuring rigor and transparency in the internal assessment during the last four years and weightages assigned for the overall development of students (weightage for behavioral aspects, independent learning, communication skills etc.**

**Internal Assessment (IA):** The university has already introduced the concept of internal assessment for certain courses/ subjects, but in order to encourage the students to be regular in classes, work hard and give better performance in examination, our college started the concept of IA for some other classes namely computer, chemistry , physics and other subjects (not covered by university) on the experimental basis in 2010-11. The concept of IA has been implemented for all the classes. To avoid a lack of full disclosure and transparency in the process of Internal assessment following measures has been undertaken. Students are informed about the division of the 20% of IA i.e.

- 10% weightage of IA is given to the attendance of the students.
- 5% weightage of IA is given to the performance of students in the class test.
- 5% weightage is given to the independent learning and self efforts of the students.

College has planned to publish the results and lecture shortage of the students on the website from the session 2013-14.

**2.5.7. Does the institution and individual teacher use assessment/evaluation as an indicator for evaluating student performance, achievement of learning objectives and planning?**

If yes ‘ provide details on the process and cite a few examples.

1. As educators increasingly are held responsible for student achievement, teachers are finding different ways to effectively document student responsiveness to interventions and track progress towards important outcomes and focusing on high stake tests.
2. Seminars on the various important topics of the subject are conducted and evaluated through grading.
3. Assignments are given to the students to induce a self-learning habit in students and are checked by the teacher after a given time and graded. The record of these grades is maintained by the respective teacher in the register. A student is informed if he/ she has not provided the assessment in time. It helps the teacher to evaluate the student and assess the students‘ strength and needs a plan to improve his/ her skills.

**2.5.8 What are the mechanisms for redressal of grievances with reference to evaluation both at the college and University level?**

The college ensures full transparency in the process of evaluation. However, grievance if any is redressed by the examination committee. The grievance is referred to the course instructor for redressal. At the college level there is provision for:

- Re-totaling
- Re-evaluation

Answer sheets are shown to the students so that they can learn from their mistakes and improve upon their performance in the future examinations.

**2.6 Student performance and Learning Outcomes**

**2.6.1 Does the college have clearly stated learning outcomes? If yes ‘ give details on how the students and staff are made aware of these?**

The vision and mission of the college include learning outcomes for all programmes. The college encourages students to develop attitude of intellectual curiosity and motivation for independent thinking and a commitment to ethical and sustainable practices. Appropriate to its level of study and discipline composition, each programme is designed to ensure that students develop their knowledge and understanding as well as a range of generic skills. These are listed below:

**Academic Excellence:**

- ❖ In-depth knowledge of their discipline and a strong sense of intellectual integrity
- ❖ High level of achievement in writing, problem-solving and communication
- ❖ Critical and creative thinkers with an ability to examine, synthesize and evaluate knowledge across a broad range of disciplines
- ❖ Be adept at learning in a wide range of ways, including computer skills
- ❖ Ability to initiate and formulate viable and relevant research questions contribute to new knowledge, or an original interpretation and application of existing knowledge
- ❖ Have the capacity to participate fully in collaborative learning and to confront unfamiliar problems

**Skills**

- ❖ Have a set of flexible skills for different types of employment
- ❖ Have excellent inter-personal and decision-making skills

**Socially responsible citizens with leadership qualities:**

- ❖ Be well-informed and sensitive citizens with a profound awareness of community needs

- ❖ accept social and civic responsibilities and be involved in a meaningful public discourse
- ❖ initiate and implement constructive change in their communities
- ❖ mentor future generations of learners

**Imbued with Nationalistic Spirit:**

- ❖ Have an understanding of the social and cultural diversity in our community
- ❖ respect indigenous knowledge, cultures and values

**Active global citizens:**

- ❖ value different cultures
- ❖ have a broad global understanding, with a high regard for human rights, equity and ethics
- ❖ Understand and appreciate international perspectives in a global environment.
- ❖ be advocates for improving the sustainability of the environment

The specific learning outcomes and a rationale for how this knowledge and skills will benefit the students are included in handbook descriptions, Foundation programme, induction programme, course materials, assessment criteria and other media as developed by the university academic council .

**2.6.2 How are the teaching, learning and assessment strategies of the institution structured to facilitate the achievement of the intended learning outcomes?**

Along with internal house examinations for all the students , the teachers focus on article wise tests, assignments and seminars. They evaluate the students on the basis of their performance in these events and review the result of each student. The students' strength is assessed and special classes are designed for them according to the result outcomes. The support needed to the student is provided to improve their calibre in the respective subject. It enhances the confidence of students and prepares them to face the final examinations without getting nervous.

**2.6.3 What are the measures/initiatives taken up by the institution to enhance the social and economic relevance (quality Jobs, entrepreneurship, innovation and research aptitude) of the courses offered?**

The college ensures that the courses being offered are in sync with the present day needs of a globalized world by introducing the latest courses of study. With the revolution in Information Technology, many new courses lik I.T. Information and Network Securities (an innovative Programme from UGC) have been introduced. Masters in Commerce, BBA, B.Com (Professional) and Financial Services have been introduced to equip the students with requisite conceptual, entrepreneurial and analytical skills for efficient handling of business in the fast growing global economy. These new-age programmes have a sound and well-charted curriculum in varied disciplines and are carried out by the most professional and qualified faculty, in a very conducive environment. Recognising the need for higher level of skills and competencies required to support national development, especially in the era of globalization, the college provides wholesome programmes for holistic development of its students. Innovative programmes like School for Personality Development and School of Communications have been designed to fulfill the needs of students in the contemporary competitive scenario. .International and National conferences on emerging trends and techniques in diverse fields are organized to pave the way for our faculty and research scholars to have interaction with many National and International scholar and scientists. The college has had the privilege of having enriched and enhanced the academic ambience , thereby contributing to the achievements and performances of the faculty and students as well .

**2.6.4 How does the institution collect and analyse data on student learning outcomes and use it for planning and overcoming barriers of learning?**

The examination committee of the college, along with the help of the administrative staff, regulates and collects the data of the internal examinations. On the basis of internal examination results the students are divided into **three categories: weaker, average and advanced learners**. In order to improve the performance of the students' remedial classes for the weaker students, special coaching classes for the average students and special guidance for the advanced learners are arranged in the improvement period. The assessment process includes a step for remediation, where warranted, until student achieves mastery of knowledge and/or skills. Institution heads conduct meetings with academic faculty to discuss the need to develop a formative assessment plan, if the need be .

#### **2.6.5 How does the institution monitor and ensure the achievement of learning outcomes ?**

After each term the respective teacher has a complete report of all the activities of student, i.e. marks in internal examination, class test, absentees, lecture shortage, efforts made by the students in the class etc. The teacher categorizes the students accordingly and students are asked to attend the special classes designed for them depending upon their outcomes in the internal examination. During these classes the students are provided assignments and seminars keeping in view their present level of their learning. The teacher monitors the academic growth of the students and design further tests, assignments, seminars accordingly. The parents of irregular students are also informed from time to time . Since many of the learning outcomes include higher level cognitive abilities, the academic council committee and examination committee make sure that the analytical and application types of questions are included in the question paper. Monitoring is done by IQAC through **student feedback** which includes a component on the achievements of learning outcomes. This is obtained for each course annually. Student centric teaching -- learning methods are adopted to ensure the achievements of these learning outcomes.

#### **2.6.6 What are the graduates attribute specified by the college/affiliating university? How does the college ensure the attainment of these by the students?**

##### **Graduate Attributes of B D College as specified by the college:**

##### **Academic Excellence**

- ❖ World class citizens with knowledge and understanding as well as a range of generic skills
- ❖ Attitudes of intellectual curiosity and motivation for independent thinking
- ❖ Critical and creative thinkers, with an ability to examine, synthesize and evaluate knowledge across a broad range of disciplines
- ❖ Capacity to participate fully in collaborative learning and to confront unfamiliar problem
- ❖ Ability to initiate and formulate viable and relevant research questions

##### **Skills-**

- ❖ Critical analysis, problem solving, and creative thinking
- ❖ Communicating effectively and appropriately in a range of contexts
- ❖ Developing, planning and managing independent work
- ❖ Working effectively as part of a team
- ❖ Effectively using information and communication technologies
- ❖ Practical application of knowledge acquired

##### **Socially Responsible citizens**

- ❖ Awareness of ethical issues, social responsibility and cultural diversity
- ❖ Awareness of environmental sustainability issues and the contribution in the field of study to address such issues

##### **Imbued with Nationalistic Spirit**

❖ Adept to address the larger issues of life and become effective in building a strong and modern India The college ensures the attainment of these attributes by including them in handbook descriptions, induction programmes, unit guides, course materials, assessment criteria, assignment feedback and other media as developed by Course Teams. The students are encouraged to document their achievement of the specified attributes by compiling individual portfolios.

**Any other relevant information regarding Teaching-Learning and Evaluation which the college would like to include.**

### **CRITERION III: RESEARCH, CONSULTANCY AND EXTENSION**

#### **3.1 Promotion of Research**

##### **3.1.1 Does the institution have recognized research center/s of the affiliating University or any other agency/organization?**

The college has two research centres --Gandhian Studies Centre and Jagjiwan Ram Social Studies Centre recognized by UGC. A N Sinha Gandhian Studies Centre: Set up under the Epoch-Making Social Thinkers of India , the Centre aims to popularize and apply the philosophy of Mahatma Gandhi in the contemporary context. Numerous case studies and research projects are being carried out under the aegis of this Centre in collaboration with other universities.

Jagjiwan Ram Studies Centre: Established with the government funding, the Centre has research and advocacy as core areas wherein the total focus is on women centric issues.

##### **3.1.2 Does the Institution have a research committee to monitor and address the issues of research? If so, what is its composition? Mention a few recommendations made by the committee for implementation and their impact.**

A Research Committee has been constituted to facilitate and monitor funded and non-funded research projects. The committee invites proposals for Minor and Major Projects funded by the University Grants Commission. It facilitates access to research oriented activities like presentations of research papers at national and international conferences and publications of research papers in research journals of national and international repute. The Research Committee of our college plans and organizes national conferences. It has initiated the establishment of Research Cell. It has established linkage with Research bodies of national and international repute. It also encourages and ensures enrolment and registration of our faculty members for Ph.D. Approximately 20% of our faculty is actively engaged in guiding research .Composition of Research Committee:

#### **Recommendations of the Research Committee**

1. Publication of Research Journals: To give an impetus to research both among teachers and students, the research committee recommended that UG and PG departments should bring out research journals
2. Major and Minor Research Projects: Proposals for research projects to be submitted by faculty members
3. Setting up of Research Centre
4. To enlighten the faculty on the availability of research grants of different funding agencies
5. To strengthen the Research culture.
- 6) **Major Projects** have been sanctioned by the UGC. Two members of the faculty have submitted their proposals for Major Project.

7) The Departments of Physics, Chemistry Hindi and English are making efforts to establish research centres. As many as 20 faculty members from the Department of Physics, Chemistry ,English , Hindi, History and Economics are guiding research.

### **3.1.3 What are the measures taken by the institution to facilitate smooth progress and implementation of research schemes/projects?**

The college administrative body and Principal encourage the faculty members to pursue Ph.D. programmes to build their future career . To facilitate smooth progress and implementation of research the college administrative body is keeping a tab on the progress of research work being undertaken by faculty members .

- Faculty members are provided with funds to pursue short term research and to attend seminars and workshops related to research
- Faculty members who have registered for research are given flexibility in the time table to carry out data collection and analysis, library work and laboratory experiments.
- By ensuring timely availability or release of resources
- By providing adequate infrastructure and human resources
- By sanctioning study leave/special leave for Research Programmes
- By providing financial sponsorship of international and national conferences
- By sanctioning purchase of books in the concerned areas.
- By providing the facility of INFLIBNET
- By providing Audio studio , Video studio for recording
- By providing the facility of video conferencing
- By facilitating interface meetings with eminent intellectuals, scientists of national and international repute
- By establishing linkage with industry and corporate sector
- By facilitating timely auditing and submission of utilization certificate to the funding authorities

### **3.1.4 What are the efforts made by the institution in developing scientific temper and research culture and aptitude among students?**

- Students are encouraged to do short term research projects so that they can pursue career in research field .
- Various camps are organized time to time to promote research culture and aptitude among students.
- Wide participation of students in National and International conferences encourage them to do research and gain knowledge in the latest developments
- Luminaries from Research Centres, reputed international and national institutions are invited for interactive sessions on recent developments in the concerned areas
- International and national conferences on topics of global significance are organized to provide world-wide exposure to students

### **3.1.5 Give details of the faculty involvement in active research (Guiding student research, leading Research Projects, engaged in individual/collaborative research activity, etc.**

College teachers are active in research and guiding Ph. D. and M.Phil students in collaboration with other institutions

### **3.1.6 Give details of workshops/ training programmes/ sensitization programmes conducted/organized by the institution with focus on capacity building in terms of research and imbibing research culture among the staff and students.**

College has been organizing interactions of faculty with luminaries from time to time and encourages and guides them for the latest developments in research methodology. Such examples are :

- Workshop on the —
- Series of Workshops -

### **3.1.7 Provide details of prioritised research areas and the expertise available with the institution.**

Priority areas for research:

➤ **Nano Technology:** Work in nanotechnology lab is concentrated in three major areas of glass characterization i.e. (i) glass nano composites for **scintillators applications**, (ii) rare-earth doped aluminosilicate glass-ceramics for **light emitting phosphor applications**, (iii) spectroscopic properties of **gamma irradiated alkali borate glasses**. At present, the investigation of glass nanocomposites is being carried out to check their suitability as radiation detectors. Environment safe rare earth doped glass-ceramics have been prepared to replace poisonous raw materials used in the glass preparation, with potential application in the field of light emitting phosphors. Compositional dependence of gamma irradiated alkali borate glasses is being carried out and their optical and structural properties are studied. Glasses are prepared by using the melt-quenching technique. All chemicals used are of analytical reagent grade.

**2) Material Science** work is concentrated in two major areas i) Thin films characterization ii) Polymers. The present investigation includes the preparation of semiconducting films on various substrate Work is based on organic semiconductors metal oxide based semiconductors and their characterization and optical parameters. Doping the semiconductors and using optimization techniques for reducing the optical band gap by choosing different dopants. Pyrolysis, Epitaxy and Sol gel techniques are mostly used for the study. The work based upon polymer synthesis, characterization and irradiation effects. These polymers are mainly synthesized by chemical root test, copolymerization test.

**3) Radiation Physics:** Department of Physics is involved in research on attestation of environmental radioactivity. This research is emphasized on the instrument of radon progeny concentration in atmospheric air and radioactivity levels in the soil samples. Instruments such as GM counter Gamma ray detectors are used for this purpose.

#### **➤ Gandhian Thought and Philosophy:**

Research is conducted in the Department on the Philosophy and Ideology of Mahatma Gandhi, both by the students and the faculty members. Research on **Women Empowerment: A Gandhian Perspective** and **Gandhi and Human Values** was carried out.

➤ **Gender Studies:** The Women's Studies Centre has undertaken studies on such issues as 'The Development of Attitude towards Women'. The time relevant and contemporary issue was explored for improving the status of women under study and the intervention was undertaken as per the outcome of the studies by organizing Awareness Programmes,.

➤ **Hindi Literature:** Research and research guidance is concentrated on Gender Studies and Feminism in Hindi fiction writers to study and explore the status of women and changing gender equations in our patriarchal society. Emerging trends in literature and the impact of socio-cultural dynamics is also taken up to depict the dialectic between society and literature.

### **3.1.8 Enumerate the efforts of the institution in attracting researchers of eminence to visit the campus and interact with teachers and students?**

The College has made concerted efforts to attract researchers of eminence and academicians to visit the campus and interact with teachers and students through various means such as

organisation of international conferences, allocation of funds to the departments to conduct workshops and seminars, students and faculty members from various international institutions to interact with their counterparts at the college providing a platform for consultation with the research experts in the college during their visits. The College offers hospitality to visiting scholars by providing boarding and lodging, internet facilities, access to library and computing centre and drawing up schedules for departments to invite the scholars to give guest lectures in their respective areas of specialisation. As a special feature of these events separate interaction sessions are organized in which one to one interaction with students and teachers takes place. Interactive sessions with students of Commerce, IT, Faculty of Languages were organized with eminent scholars as key speakers.

**3.1.9 What percentage of the faculty has utilized Sabbatical Leave for research activities? How has the provision contributed to improve the quality of research and imbibe research culture on the campus?**

About 5% of the faculty has utilized leave for research activities. Leave with pay is given to the faculty members for completion of research. Teachers desirous of pursuing doctoral programme are sanctioned leave for six months (without pay) or accommodated for attending research programme. The teachers involved in part-time research are given special consideration in time table.

**Women 's Studies Centre:** The research on Gender Issues has helped to work for and promote gender equity through Awareness Rallies and Stage shows on elimination of violence against women. It has also enlightened women and made them aware of their rights.

**Gandhian Centre:** The research on Gandhian Thought and Philosophy has helped to better appreciate the relevance of Gandhian thought for promotion of universal peace and harmony. The research on Human Rights Violation in Leather Industry has created awareness about their rights among labour class.

**Physics, Nano technology:** The research on Nano technology besides enhancing an in-depth knowledge of the subject and facilitating research has made a signal impact on its application in the industry

**Community Development:** The research programmes undertaken by Gandhian Studies Centre and Women's Studies Centre have created more opportunities for enlightening and empowering women. More than hundred women self-employed as a direct consequence of the services rendered.

**Economics:** The research on Monetary Economics and the application of econometric techniques on time series data has facilitated an analysis of the impact of financial sector reforms on demand for money in India and also helped to explore the possibility of inflation targeting in India. The research also helped to measure the efficiency of Indian manufacturing sector.

**Hindi:** The research has facilitated an understanding of changing patterns of human behavior especially women in the changing socio-cultural set-up and brought out the role of education in shattering the patriarchal stereotypes and empowering women.

**Resource Mobilization for Research**

**3.2.1 What percentage of the total budget is earmarked for research?**

**Give details of major heads of expenditure, financial allocation and actual utilization.**

**Budget for Research and Development:** The College has allocated funds for Research and development. The College received substantial grant from UGC,

**3.2.2 Is there a provision in the institution to provide seed money to the faculty for research? If so, specify the amount disbursed and the percentage of the faculty that has availed the facility in the last four**

Yes, there is such provision for lending the supportive management seed money to the faculty for research .

**3.2.3 What are the financial provisions made available to support student research projects by students?**

- Development of infrastructures: College purchases all the latest instrumentation required for students' research projects
- Internet facility is made available in the college labs and other departments.
- INFLIBNET services are made available and passwords issued to facilitate research
- Library upgradation with research journals

**3.2.4 How does the various departments/units/staff of the institute interact in undertaking inter-disciplinary research? Cite examples of successful endeavors and challenges faced in organizing interdisciplinary research.**

Aligning with the present trend of interdisciplinary approach in Higher Education , various departments of the institute interact and undertake interdisciplinary research.

**Women 's Studies Centre:** An interdisciplinary initiative was undertaken in collaboration with Psychology Department to study the Change in Attitude towards Women. This study has given an in-depth understanding of the Psychosocial pressures inhibiting the growth of women and ways of countering it. The Dept.of Psychology took up interdisciplinary research projects with the Gandhian Studies Centre on the Philosophy and ideology of Mahatma Gandhi.

**3.2.5 How does the institution ensure optimal use of various equipment and research facilities of the institution by its staff and students?**

- Periodic updating and upgradation of the scientific equipment is maintained . Training is provided for lab attendants and students in the efficient handling of laboratory equipment in science departments.
- Need based repairs and maintenance of equipment is carried by technical staff appointed by College or by sending the equipment to the manufacturer.
- As per requirement, equipment of other departments are also used. For example, Physics students and research scholars use Hot Air Oven of Zoology Dept.

**3.2.6 Has the institution received any special grants or finances from the industry or other beneficiary agency for developing research facility? If \_yes ' give details.**

➤

**3.2.7 Enumerate the support provided to the faculty in securing research funds from various funding agencies, industry and other organisations. Provide details of ongoing and completed projects and grants received during the last four years. Minor Research Projects:**

Sr.	No.	Name of Teachers	Title	UGC Sanctioned Letter No.	Amount (Rs.)
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**Major Research Projects:**

Sr.  
No.

48

### **3.3 Research Facilities**

#### **3.3.1 What are the research facilities available to the students and research scholars within the campus**

The following major facilities have been developed and are available in the college to facilitate research

- Internet connectivity on the campus
- Computers to all the department
- Well equipped central library
- Provision of the facility of INFLIBNET
- Subscription to e-journal and easy access
- Well equipped modular lab
- Seminar/ Conference Hall

#### **3.3.2 What are the institutional strategies for planning, upgrading and creating infrastructural facilities to meet the needs of researchers especially in the new and emerging areas of research?**

Recommendations are sought from the Departments on requirements for infrastructure for research, by initiating research infrastructure and specific user meetings through interaction with Heads of Departments and faculty members. Periodic updating and upgradation of the inventory of scientific equipment is made. The expertise of technical assistance and equipment are available to the broader research community, which includes industry, academia and private organisations. The departments of Physics, Hindi, Gandhian Studies Centre, Women's Studies Centre which are guiding research are equipped with adequate infrastructure including Computer facility and necessary civil fittings in the laboratories etc.

##### **Strategies to meet the needs of researchers:**

- Allotment is given for the purchase of e-resources and print journals for research
- Apart from this, the college has Plant culture laboratory and Networking laboratory
- College provides adequate facilities for all these laboratories
- Installation of single mode fibre optics cables in research departments and upgradation of the internet speed to 16 Mbps to enhance the computational facility
- Provision of Upgraded desktop computers in all departments
- Application based software installed at dedicated network Computational Laboratory
- E-resources (e-journals, e-publications, e-Books) can be accessed with desktops and laptops through intra internet
- Uninterrupted power supplied to all departments
- The college has a general library and e-resources to cater to the needs of researchers

#### **3.3.3 Has the institution received any special grants or finances from the industry or other beneficiary agency for developing research facilities? If \_yes ', what are the instruments/ facilities created during the last four years.**

- Not as yet;

### **3.3.4 What are the research facilities made available to the students and research scholars outside the campus / other research laboratories?**

Students use infrastructure of other institutions and university as well to further research work in various fields. For example, samples are carried to nearby institutions for characterization as well as the samples are sent by post to far away research labs and with the help of persons collaborating at that research lab results are received by mail.

### **3.3.5 Provide details on the library/ information resource centre or any other facilities available specifically for the researchers?**

The college has a well-established information resource centre in the form of e-library: INFLIBNET services in the library is to enable researchers to review the literature and thesis writing. In this context the library is well-stocked with **10,000 books**, e-journals, print journals etc. The research scholars and faculty members are provided with networking, e-journal to facilitate their research. The library facility is available from 7 am to 5:00 p.m. during college hours to enable the research scholars to pursue their research work.

### **3.3.6 What are the collaborative research facilities developed / created by the research institutes in the college. For ex. Laboratories, library, instruments, computers, new technology etc.**

The College has undertaken collaborative research with other academic institutions. These projects obtained their funding from national and international funding agencies for conducting interdisciplinary research. In the process, knowledge sharing across disciplines has been affected and the utilization of instrumental expertise has been achieved.

- Gandhian Studies centre set up
- Women's Studies centre set up in the college
- A computer network lab also has been set up with 42 computers and a server in the department.
- The departments of Physics, Chemistry, Botany and Zoology have been recognized for promoting basic scientific research.

Under this scheme labs of the departments have been upgraded with power supplies, water supply and fire safety equipment.

## **3.4 Research Publications and Awards**

### **3.4.1 Highlight the major research achievements of the staff and students in terms of**

- \* **Patents obtained and filed (process and product)**
- \* **Original research contributing to product improvement**
- \* **Research studies or surveys benefiting the community or improving the services**
- \* **Research inputs contributing to new initiatives and social development**

### **Research studies or surveys benefiting the community or improving the services:**

The researchers of the college carried out an in-depth study on **Development of attitude towards Women**. The survey examined the development of attitude towards women among high economic and low socioeconomic status women. The sample consisted of fifty high economic status women and fifty low-economic status women-their age ranged from 18 years to 40 years. The questionnaire consisted of 21 questions representing issues affecting the current status of women in society: family planning decision making power, discrimination, girl child's education, social status and suppression. The study reflected the values of society in relation to women and their attainment.

The findings suggested that high socio-economic women showed more favorable attitude towards planning of family budget, taking independent decisions, raising a child on their own. On the other hand, results revealed that low socioeconomic status women had no right to terminate the pregnancy they did not wish to carry forward. Women from labor class were of the opinion that they were not even given any encouragement to get education. The survey also brought to light the disturbing fact that girls from low economic status were forced willy-nilly into prostitution. To add more -----

**3.4.2 Does the Institute publish or partner in publication of research journal (s)? If \_yes ‘, indicate the composition of the editorial board, publication policies and whether such publication is listed in any international database?**

To add here

**3.4.3 Give details of publications by the faculty and students:**

**3.4.4 Provide details (if any) of**

**\*research awards received by the faculty**

**\*recognition received by the faculty from reputed professional bodies and agencies, nationally and internationally**

**\*incentives given to faculty for receiving state, national and international recognitions for research contributions.**

The College has the distinction of having on its staff outstanding scholars whose erudition has been recognized at International and National level and added a new dimension to the reputation of the college. Formal Awards have been given to our faculty members in recognition of their meritorious excellence in their respective field.

**Research awards received by the faculty:**

**International / National**

**3.5 Consultancy**

**3.5.1 Give details of the systems and strategies for establishing institute industry interface?**

The Placement Cell of the college initiates the interface talks with the industry as well as training institutes oriented towards the technical skill set and soft skill improvement of the students so as to enhance their employability skill. The cell also at times designs the modules according to the requirement of students.

**3.5.2 What is the stated policy of the institution to promote consultancy? How is the available expertise advocated and publicized?**

The Principal/institution encourages and supports the faculty to utilize their expertise and facilities for consultancy services. Faculty members from departments like Psychology, Computer Science , IT, Commerce, English and BBM have been prompted to extend consultancy services in their field. The College publicizes the expertise available for consultancy service and facilitates these by collaborating with NGOs .The college publicizes the expertise available for consultancy service:

- by word of mouth
- through information on the Notice Board

**3.5.3 How does the institution encourage the staff to utilize their expertise and available facilities for consultancy services?**

The college motivates the staff to utilize their expertise for consultancy services by networking with institutions, organizations and other agencies.

### **3.5.4 List the broad areas and major consultancy services provided by the institution and the revenue generated during the last four years.**

#### **Major Consultancy Services and Revenue Generated**

**Faculty 2008-09 2009-10 2010-11 2011-12**

#### **Beneficiaries:**

- Faculty and Students of the college
- Women from the adjoining areas and villages

### **3.5.5 What is the policy of the institution in sharing the income generated through consultancy (staff involved: Institution) and its use for institutional development?**

The revenue generated through the sale of products is contributed towards Poor Students Fund and is used to give financial support to the deserving and needy students.

### **3.6 Extension Activities and Institutional Social Responsibility (ISR)**

#### **3.6.1 How does the institution promote institution-neighborhood community network and student engagement, contributing to good citizenship, service orientation and holistic development of students?**

B D College is fully alive to its onerous responsibility of producing world class citizens. We have made a colossal contribution to environment and society by making a worthwhile participate.

- Rallies to protect environment are often taken out. Students march holding placards bearing thought-provoking slogans to draw the attention of people to these issues. Rallies to mark-Ozone Layer Protection Day, Environment Day are flagged off by the Principal of the college .
- Rallies for celebrating a pollution free, cracker-free Diwali are a regular feature here at B D College
- Rallies along with NGOs were carried out to ‘Say No to Polythene.’
- B D College participates in rallies to mark the International Day of Mother Tongue in collaboration with a renowned NGO.
- Some social issues leave a lasting imprint on the minds of the citizens. The brutal rape case of Delhi was vociferously condemned by B D College students and participated in a rally holding placards, candles and shouting slogans.
- A signature campaign organized by B D College students received an overwhelming response. A huge flex sheet was displayed in the heart of the city and the denizens of the city put their signature and poured their hearts out.
- Media was invited to cover the same. The students got a suitable platform to express their views.
- B D College regularly organizes Blood Donation Camps. It is in collaboration with NGO’s like Lions, Club, Rotary Club and the team of doctors is from civil hospi
- AIDS awareness is one of the major chores of societies like Saplings of Life Club, Red Ribbon Club working under the aegis of Students Welfare Cell.

Comprehensive projects are undertaken by the NSS Volunteers in close collaboration with community. Volunteers actively carry out programmes like literacy campaign, cleanliness drive, environment friendly initiatives like tree plantation and drive against use of polythene. Training Modules on computer applications, stitching, painting, textile printing, candle making are also designed to make girls economically independent. Such invigorating programmes not only give students a platform to imbibe sterling qualities like selfless service and sense of responsibility towards community development but also create a sense of awareness among rural people

Continuous visits to a particular village strengthen the bond and create space for sustained outreach activities. As a follow up, medical camps, health awareness programmes and awareness programmes on nutrition and hygiene were conducted in order to create a healthy atmosphere for living. Recognising that women and children are one of the most vulnerable sections of society, the health and hygiene of women and children is given prime importance in the annual camps conducted in villages by the NSS units. Free medical camps and awareness programmes on AIDS, Cervix Cancer and other health related issues sensitise women and help them dispel prevalent myths. Tutoring rural school children and adults enables them to develop higher cognitive skills and experience the joy of learning. Exhibitions, programmes and competitions conducted by various departments motivate students from less privileged background to pursue Higher Education. The college organizes visits to Old Age Homes, , Juvenile Home and Gandhi Ashram to add colour to their desolate lives. Free Counselling Camps are organized from time to time to help adolescents, adults and children to cope with their emotional and psychic problems.

### **3.6.2 What is the Institutional mechanism to track students ' involvement in various social movements / activities which promote citizenship roles?**

The college strives to instill civic responsibility in the young minds of students through extension programmes and value based courses so that they develop into sensitised, socially responsible persons .The college offers extension programmes in addition to those supported by the university. Students are encouraged to complete any one of these activities: extension activities:

University Programmes:

- i. National Service Scheme (NSS)
- ii. National Cadet Corps (NCC)

College Programme :

- i. Environmental Awareness Programme (EAP)
- ii. Gender Sensitization Programmes

The college is incessantly organizing a number of outreach activities which relate to academic, social, cultural, community, training and international service, adventure etc., all culminating in building a healthy society contributing to our nation building. The department of ECA makes Annual Programme Planner and finalises various projects to be undertaken which directly benefit students, society and the nation.Saplings of Life club, Women Empowerment Cell, and other societies function round the year to involve the students in various social movements and activities which promote citizenship roles. Field visits (Old Age Homes, Mother Teresa Home, and School for the Blind) are organised in which students visit the community/neighborhood to get a foretaste of real life situations and become socially sensitive. All departments organize Service-Learning programmes. They also celebrate important days of national and international importance. The students in collaboration with various NGO's like Rotary and Lions organise many events like Tree Plantation, Blood Donation, Traffic Awareness seminars, female foeticide awareness rallies, Say No to Drugs campaign and many other programmes. These activities encourage interpersonal interactions that are good for building a strong civil society. They also celebrate important days of national and international importance.

- Visit to Old Age Home and Deaf and Dumb school
- Regular visit to Missionaries of Charity (Mother Teresa Home)
- Donations to the inmates of Orphanage and Leper's home.
- Quiz on KNOW YOUR COUNTRY organized at various villages and city schools.
- Training Programmes for teachers, students and corporate participants organized from time to time.

- Visit to Red Ribbon Express
- Literacy Camps in Villages
- Cleanliness drive camps in slum areas and adjoining Villages
- Free Medical Check Up Camps in slum areas
- Free counseling camps in village and city Schools.
- Special Classes in stitching, painting, embroidery, pottery, beauty tips, personal hygiene and grooming for girls of underprivileged section of society.

### **3.6.3 How does the institution solicit stakeholder perception on the overall performance and quality of the institution?**

The institution always solicits the stakeholders' perception (like the students, parents, Alumni and the eminent persons from the city) on the overall performance and the quality of the education being imparted by the institution. Parent Teacher Meeting (PTM) meetings are organised regularly to take feedback of the parents. The parents can directly put forth suggestions and complaints to the head of institution through emails, which are very well taken care of while implementing any new policy or reform. There is provision where the parents, students and key citizens of civil society meet the Principal and members to give valuable inputs regarding new courses, extra-curricular activities, innovative ideas and programmes which help the students in their professional efficiency and holistic development. The stakeholders are always keen to see that quality of higher education improve in the institution

- The comments of eminent educationists and prominent personalities are evaluated and implemented as and where required.
- Proper focus is laid to bring teaching and studies at par with any institution of National/ International repute.
- Regular meetings with staff, Heads of Department and Advisory Board are conducted in order to keep every member updated about changes and developments in the college. The decisions taken are implemented after discussion.
- Inter and Intra departmental meetings are regular feature to monitor the progress of student, and the performance of the child is communicated to parents through SMS or during PTM.
- Parents/Guardians have frequent interaction with the H.O.D. Opinion of parents is considered with respect. Key aspects like industrial visits, discipline, placements, are given utmost priority.
- Days and timings are fixed for Parents to meet the teachers, Coordinators and Principal. Their complaints, suggestions and clarifications are addressed to in the best possible manner.
- Old Students' Association organises meetings and has regular formal and informal interactions wherein any alumnus is free to give her suggestions.

### **3.6.4 How does the institution plan and organize its extension and out reach programmes? Providing the budgetary details for last four years, list the extension and outreach programmes and their impact on the overall development of students.**

The college has a Gandhian Studies Centre, Saplings of Life Club and Women Empowerment Cell to coordinate Social Outreach and Service-Learning Programme.

These Centres and clubs take care of all logistics like the orientation for students and faculty members, annual plan, schedules for every regular/special camp activities, guest lectures, budget and communication with other organizations and agencies. The centres collaborate with Government hospitals (for Health Checkup Camps, blood donation), district administration, village officers and other NGOs for organising of survey, rallies and awareness programmes. They are evaluated on the basis of three components namely Participation, Cooperation and Leadership in various camps and extension activities. The Dept. of ECA makes Annual

Programme Planner and finalises various projects to be undertaken which directly benefits students, society and the nation. The students participate in many cultural Programmes and competitions like Essay writing, Quiz, Story writing, poetry, singing, dancing, acting, painting, mobile Quiz, Debate, Elocution, slogan writing and poster-making. They also celebrate important days of national and international importance. The students in collaboration with various NGO's like Rotary and Lions Club organise many events like Tree Plantation, Blood Donation, Traffic awareness seminars, female foeticide awareness rallies, Say No to drugs campaign and many other programmes. These activities encourage interpersonal interactions that are good for building a strong civil society.

- Visit to Old Age Home and Deaf and Dumb school
- Regular visit to Missionaries of Charity (Mother Teresa Home)
- Donations to the inmates of Orphanage and Leper's home.
- Satya Ki Aur Programme conducted in Schools of city
- Quiz on KNOW YOUR COUNTRY organized in various village and city schools.
- Training Programmes for teachers, students and corporate participants organized from time to time.
- Visit to Red Ribbon Express
- Literacy Camps in Villages
- Cleanliness drive camps in slum areas and adjoining Villages
- Free Medical Check Up Camps in slum areas
- Free counseling camps in village and city Schools.
- Special Classes in stitching, painting, embroidery, pottery, beauty tips, personal hygiene and grooming for girls of underprivileged section of society.

These activities positively impact students' emotional, intellectual, social, and inter-personal development. By working together with other individuals, students learn to negotiate, communicate, manage conflict, and lead others. These programmes sensitize the student volunteers to the social issues and challenges of the lesser privileged sections of society. This training equips them for real life situations and makes them more responsible citizens.

Taking part in these extension and outreach activities students understand the importance of critical thinking skills, time management, and academic and intellectual competence.

Involvement in activities helps students mature socially by providing a setting for student interaction, relationship formation, and discussion. Working outside the classroom with diverse groups of individuals allows students to gain more self confidence, autonomy, and appreciation for others' differences and similarities. These activities help them to become good leaders.