

The Annual Quality Assurance Report (AQAR) 2017-18

Criterion I: Curricular Aspects

Part – A

AQAR for the year

2017-18

1. Details of the Institution

1.1 Name of the Institution

B. K. Birla College of Arts, Science and Commerce, Kalyan
Formerly known as Birla College of Arts, Science and

1.2 Address Line 1

B. K. Birla College Road,

Address Line 2

Kalyan (W), Dist. Thane (M. S.)

City / Town

Kalyan

State

Maharashtra

Pin Code

421304

Institution e-mail address

principal@bkbirlacollegekalyan.co

Contact Nos.

(0251) - 2232930 / 2230740

Name of the Head of the Institution:

Dr. Naresh Chandra

Tel. No. with STD Code:

(0251) 2231294 / 2230740 / 2232930

Mobile:

Name of the IQAC Co-ordinator:

Mobile:

IQAC e-mail address:

1.3 NAAC Track ID
(For ex. MHCOGN 18879)
OR

1.4 NAAC Executive Committee No.
& Date:

1.5 Website address:

Web-link of the AQAR:

1.6 Accreditation Details

Sr. No.	Cycle	Grade	CGPA	Year of Accreditation	Validity Period
1	1 st Cycle	5 Star	--	2002	5 years
2	2 nd Cycle	A	3.37	2008	5 years
3	3 rd Cycle	A	3.58	2014	7 years

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

1.8 Details of the previous year's AQAR submitted to NAAC after the latest Assessment and Accreditation by NAAC (for example AQAR 2010-11 submitted to NAAC on 12-10-2011)
i. AQAR (2016-17) submitted to NAAC on 23 / 01 / 2018

1.9 Institutional Status

University	State	<input checked="" type="checkbox"/>	Central	<input type="checkbox"/>	Deemed	<input type="checkbox"/>	Private	<input type="checkbox"/>
Affiliated College	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>				
Constituent College	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>				
Autonomous college of UGC	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>				
Regulatory Agency approved Institution	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>				

(eg. AICTE, BCI, MCI, PCI, NCI) by **University Grants Commission (UGC)**

Type of Institution	Co-education	<input checked="" type="checkbox"/>	Men	<input type="checkbox"/>	Women	<input type="checkbox"/>
	Urban	<input checked="" type="checkbox"/>	Rural	<input type="checkbox"/>	Tribal	<input type="checkbox"/>
Financial Status	Grant-in-aid	<input checked="" type="checkbox"/>	UGC 2(f)	<input checked="" type="checkbox"/>	UGC 12B	<input checked="" type="checkbox"/>
	Grant-in-aid + Self Financing*	<input checked="" type="checkbox"/>	Totally Self-financing	<input type="checkbox"/>		

*(Some Programmes)

1.10 Type of Faculty / Programme

Arts	<input checked="" type="checkbox"/>	Science	<input checked="" type="checkbox"/>	Commerce	<input checked="" type="checkbox"/>	Law	<input type="checkbox"/>	PEI (Phys Edu)	<input type="checkbox"/>
TEI (Edu)	<input type="checkbox"/>	Engineering	<input type="checkbox"/>	Health Science	<input type="checkbox"/>	Management	<input type="checkbox"/>		

Others (Specify)

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

University of Mumbai

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

Autonomy by State/Central Govt. / University

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University with Potential for Excellence

UGC-CPE

DST Star Scheme

UGC - CE

UGC-Special Assistance Programme

DST-FIST

UGC-Innovative PG programmes

Any other (*Specify*)

UGC-COP Programmes

* From 2010 – 15

** From 2015 – 20

*** PG Diploma in Bio-nanotechnology

2. IQAC Composition and Activities

2.1 No. of Teachers	<input type="text" value="13"/>
2.2 No. of Administrative/Technical staff	<input type="text" value="07"/>
2.3 No. of students	<input type="text" value="01"/>
2.4 No. of Management representatives	<input type="text" value="01"/>
2.5 No. of Alumni	<input type="text" value="01"/>
2.6 No. of any other stakeholder and community representatives	<input type="text" value="-"/>
2.7 No. of Employers/ Industrialists	<input type="text" value="-"/>
2.8 No. of other External Experts	<input type="text" value="-"/>
2.9 Total No. of members	<input type="text" value="23"/>
2.10 No. of IQAC meetings held	<input type="text" value="14"/>
2.11 No. of meetings with various stakeholders: No.	<input type="text" value="08"/> Faculty <input type="text" value="04"/>
	<input type="text" value="02"/> Non-Teaching Staff <input type="text" value="01"/> Students <input type="text" value="07"/> Alumni <input type="text" value="--"/> Others
2.12 Has IQAC received any funding from UGC during the year?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
If yes, mention the amount	<input type="text" value="NA*"/>

* Grant received from UGC for a period of 3 years (2013-14, 2014-15 and 2015-16).
Grant awaited for the current year.

*

2.13 Seminars and Conferences (only quality related)

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

Total Nos.	<input type="text" value="17"/>	International	<input type="text" value="01"/>	Natio	<input type="text" value="03Sem. 01 Conf."/>	<input type="text" value="01"/>	Institution	<input type="text" value="07 Workshops 04 Seminars"/>
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(ii) Themes:

Seminars and Conferences:

International:

- A 2-day international seminar on '*Vigyan aur Sahitya*' was organized by department of Hindi, Birla College, on 12-13 January, 2018.

National:

- A 1-day national seminar on '**Emerging Trends in Laboratory Medicine**' was organized by department of Microbiology and School of Paramedical Sciences on 14 January, 2018.
- A national seminar on '**Awareness on E-learning and MOOCs**' was organized by IQAC, in association with Guru Angad Dev Teaching Learning Centre of MHRD, New Delhi, on 7th April, 2018.
- A 1-day national conference on '**Advanced Analytical Tools for Materials Characterization**' was organized by the department of Chemistry on 28 February 2018.
- 1-day seminar on '**Biosciences – A Journey towards Innovation**' was organized by the department of Botany on 10th March 2018

Workshops:

- A workshop on '**S.Y.B.Sc. Revised Syllabus**' was organized by department of Chemistry jointly with the Board of Studies, University of Mumbai, on 14 June 2017.
- A 1-day **Workshop on 'Goods and Services Tax'** was organized by departments of Commerce and Accountancy on 27 September 2017.
- A 1-day workshop on "**Revised Accreditation Framework: New Guidelines from NAAC**" was organized by IQAC on 18th December 2017.
- A half-day workshop on '**Intricacies of Autonomy**' was organized by IQAC on 14th February, 2018.
- A workshop on '**Fire Safety and Good Laboratory Practices**' for the laboratory assistants, attendants and other non-teaching staff was organized by IQAC on 24th February, 2018.
- A workshop on '**Students' Support and Progression**' was organized by IQAC on 27th February, 2018.
- A 1-day workshop was organized on '**Achieving Excellence at Undergraduate Level through Inter-disciplinary Approach**' by IQAC on 11th January, 2018 under DBT Star Status.

CAS interview

The teachers, whose placement was due, were informed about the procedures for CAS and were encouraged to submit the duly filled forms on time.

IQAC acted as facilitator and checked all the CAS files of teachers who faced the CAS Interview on 22nd December, 2017.

2.14 Significant Activities and contributions made by IQAC:

Delivering skills amongst youth is the primary responsibility of the academicians today. It is a tool that can lead to better employment and also entrepreneurship. Hence, IQAC took a decision to organize as many skill-enhancement programmes as possible in the academic year 2017-18. Ten departments of the college organized such programmes to develop different skills in their subjects. Apart from this, several seminars, conferences and symposiums were held by different departments during the course of the year.

Student-centric activity:

- i) IQAC, Birla College, organized an **Orientation Programme** for the First year undergraduate students from 18-24 July, 2017. The programme aimed at facilitating the smooth transition of students from junior college to under-graduate studies at Birla College. It gave an overall idea to the students about the programs, courses offered, curricular and co-curricular activities organized at Birla College. They were also acquainted with the examination pattern and grading system.

Faculty-enrichment programmes :

IQAC organized the following activities:

International Seminar:

- i) Department of Hindi organized a 2-day international seminar on '*Vigyan aur Sahitya*' on 12-13 January, 2018. The seminar was organized in collaboration with *Kendriya Hindi Sansthan*, Agra and Century Rayon, Shahad. Hon'ble Vice Chancellor, Prof. Anandvardhan Sharma, Mahatma Gandhi International Hindi University, Wardha, inaugurated the seminar and delivered the key-note address. Prof. Tatyana Oranskya, Hamburg University, Germany and Prof. Milena Barteava, Sophia University, Bulgaria, were the two international guests who chaired two sessions. In addition, a group of six students from Thailand also attended the seminar. Dr. Jitendra Bhatia and Prof. Ramji Tiwari were other eminent academicians present on the occasion.

National Seminar:

- i) IQAC, in association with Guru Angad Dev Teaching Learning Centre of MHRD, New Delhi, organized a national seminar on '**Awareness on E-learning and MOOCs**' on 7th April, 2018. Dr. VimalRarh, project head and joint director, Guru Angad Dev Teaching Learning Centre of MHRD and deputy director, Centre for E-learning, SGTB, Khalsa College, University of Delhi, was the key-speaker of the seminar. Dr. Kumud Sharma was the other speaker.

Workshop/s:

i) A 1-day workshop on **‘Revised Accreditation Framework: New Guidelines from NAAC’** was organized on 18 December 2018. Dr. Ganesh Hegde, deputy adviser, NAAC, Bangalore and the chief guest on the occasion, enlightened the audience on the Revised Assessment and Accreditation (A&A) Framework and how it is now more ICT-enabled, objective, transparent, scalable and robust. He said that there is shift from qualitative peer-judgement to data-based quantitative indicator evaluation with increased objectivity and transparency.

- Dr. S.T. Gadade, principal, CKT College Panvel and dean, Faculty of Commerce, University of Mumbai, addressed on the best practices of his institution.
- Dr. (Mrs.) M.K. Pejaver, Principal, VPM's B.N. Bandodkar College of Science, Thane, made a presentation on ‘Teaching, Learning and Evaluation’.
- Dr. Swapna Samel, Senior vice-principal, Birla College, Kalyan, spoke on institutional values and best practices and Dr. Vijay Joshi highlighted the 32 key indicators of the Criterion VII.

ii) A 1-day workshop was organized on **‘Achieving Excellence at Undergraduate Level through Inter-disciplinary Approach’** by IQAC on 11th January, 2018 under DBT Star Status. Dr. Suman Govil, senior advisor, DBT, was the chief guest of the workshop. He encouraged the coordinators of all Star-Status colleges to achieve excellence at under-graduate level and to inculcate interdisciplinary approach in their respective colleges.

iii) A half-day workshop on **‘Intricacies of Autonomy’** was organized on 14th February, 2018, to familiarise the teachers with the concept and process of Autonomy. Invited guest-speakers were Dr. Vijay Joshi, principal, K. J. Somaiya College of Science and Commerce, Mumbai and Dr. Baptist Agnel Menezes, principal, St. Xavier's College, Mumbai. Besides other suggestions, the emphasis was on the need to incorporate technology into teaching for improved pedagogy.

iv) A workshop on **‘Students’ Support and Progression’** was organized on 27th February, 2018. Dr. S.T. Gadade, principal, CKT College, Panvel, Navi Mumbai and the chief-guest on the occasion delivered the key-note address on the main theme of the workshop. Dr. Vijay Dabholkar, principal, Gurunanak College, Sion, Mumbai, delivered a lecture on ‘Value Education and Today's Youth’. Dr. (Mrs.) Gauri Hardikar, Kapila Khandwala College of Education, Juhu, Mumbai, conducted the post-lunch session on ‘Self Motivation and Stress Management’.

v) Two special lectures were conducted to deliberate on the **‘Process of College Autonomy’**: Principal (Dr.) Ashok Wadia, Jai Hind College, Mumbai, conducted the interactive session on 26th March, 2018.

Dr. Nupur Mehrotra, Vice-Principal, Mithibhai College, Mumbai, was the speaker on 27th March, 2018.

vi) A 1-day workshop on Leadership Development Programme, **‘Competency Mapping’** was organized on 5th April, 2018. The resource-persons were Ms. Kishwar Nancy and Ms. Seema Chandiramani. The workshop was conducted to develop leadership qualities amongst the faculty members. They were exposed to various activities that made them aware of their personality-traits and develop a positive approach towards their profession of teaching and learning. Emphasis was on SWOT analysis.

vii) A workshop on '**Evaluation**' was organized on 11th April, 2018, under the Faculty Exchange Programme. Dr. Geeta Shetty, Associate Professor, St. Xavier's Institute of Education, Mumbai, was resource-person for the workshop. She emphasized on adopting various methods of teaching, learning and evaluation so that the students can self-evaluate their performance.

viii) A workshop on '**Fire Safety and Good Laboratory Practices**' was organized for the laboratory assistants, attendants and other non-teaching staff on 24th February, 2018. Mr. Joy Kutty of Geo Remedies delivered a very informative and interesting lecture. He explained how to detect fire, how to inform people about it, how to resist it and how to extinguish it. He explained how to distinguish various types of fire-extinguishers and their use. The lecture was followed by a live demonstration of fire extinguishing. Mr. Joy stressed on the need of a fire-alarm and to earmark an assembly-place in case of any disaster.

ix) Departments of Commerce and Accountancy organized a 1-day **Workshop on 'Goods and Services Tax'** on 27 September 2017. Shri C. Dhansekaran (IRS), commissioner, GST (Thane Rural) and Shri P. C. Chate, deputy commissioner, GST, CA Yogesh Shah, Vice President (Finance), Century Rayon were the resource persons.

x) A mega-event **Pravah 2017-18**, an inter-collegiate science festival, was organized on 5-6 December, 2017, under DBT-Star Status.

It was sponsored by Century Rayon, Kalyan. The theme was '**Energy: Use Unconventionally, Save Efficiently**'. The chief guest was Padmavibhushan Dr. Anil Kakodkar, nuclear scientist, who inaugurated the event.

The following activities were conducted under this banner:

a) Department of Maths organized '**Fun In Maths**', an inter-collegiate Science Exhibition on 6th December 2017. The objective was to create an interest in the subject of Maths, highlight the role of Maths in our practical life and to motivate students to pursue Maths at higher level.

Thirty-seven groups of students participated with innovative and creative ideas in competitions like **Elliptic Curve in Cryptography, Magic Square, Trigonometry Ratio Indicator, Basics of Geometry, Geometrical Shapes by Magnet, Monty Hall Problem, Mystery of Fibonacci Numbers, Rubik's Cube, Jyotish Shastra, Pythagoras Theorem and Use of Maths in Video making**.

Dr. Revathy Sundararajan, Don Bosco Institute of Technology, Vidyavihar and Asha Chugh, CHM College, Ulhasnagar, were the judges of the event.

b) Department of Chemistry conducted an inter-collegiate **Poster Competition**. It was coordinated by Dr. B.V. Pathare. 110 students and teachers participated from various schools and colleges.

b) c) **Science Exhibition** was organized on the theme '**Green Energy**' for college and school students on 5 December, 2017.

National Seminar/s:

i) A 1-day national seminar on '**Emerging Trends in Laboratory Medicine**' was organized by department of Microbiology and School of Paramedical Sciences on 14 January, 2018.

ii) A 1-day national seminar on '**Biosciences: A Journey towards Innovation**'

was organized by department of Botany in association with departments of Environmental Science, Biotechnology, Bioanalytical Science, Zoology and Micro Biology on 10 March 2018.

xi) Department of Chemistry organized the following activities:

National Conference:

- a) A national conference on ‘**Advanced Analytical Tools for materials characterization**’ on 28 February 2018. The main aim of this conference was to provide a forum for the exchange and dissemination of new ideas and techniques among the researchers in the field of manufacturing and analysis of novel materials.

Syllabus-Revision Workshop:

- a) A workshop on ‘**S.Y.B.Sc. Revised Syllabus**’ was organized by department of Chemistry jointly with the Board of Studies, University of Mumbai on 14 June 2017. Dr. A.V. Karnik, Chairman, Board of Studies in Chemistry, University of Mumbai, presided over the function. About 85 faculty members from various colleges attended the workshop. This workshop was aimed at enhancing teaching-learning of the Revised Syllabus.

xii) Department of Zoology organized the following activities:

Workshops:

- a) A 1- day workshop on ‘**Aquarium -making and Rearing of Ornamental Fish**’ on 25 September 2017, to promote entrepreneurship skills among students.
b) A workshop on ‘**Basic Techniques of Chromatography**’ on 21 February 2018.

Short term Courses:

xiii) Centre for Epigraphy under CE of UGC organized:

- a) A **10-day Certificate Course** on ‘**Spoken Sanskrit**’ in collaboration with Sanskrit Bharti.
b) A **4-day course on Manuscriptology** covering Modiscript, Sidham script etc. from 26-29 March 2018.
c) Centre for Yoga and Philosophy conducted a short- term course on ‘**Yoga Practices**’ from 21- 28 February 2018.

xiv) UGC-sponsored Women |Studies Centre and Women Development Centre invited a renowned pad-woman, Mrs. Swati Bedekar, Secretary, Vatsalya Foundation and Founder of Sakshi Enterprise, Gujarat, on 8 March, 2018, for delivering lecture on women-related issues, on the occasion of International Women’s Day.

xv) Central Library organized a 1- day Workshop on ‘**Library and Information Science Profession in the Digital Era: Changing trends, Challenges and Opportunities**’, on 24 March 2018.

xvi) Public Meeting on **Union Budget- 2018** was organized by Birla College, Kalyan, jointly with Kalyan Chartered Accountants Study Circle, Kalyan; Tax Practitioners’ Association, Kalyan; Rotaract Club and Birla College Alumni Association, on 3rd February 2018, to decode the intricacies of the Union Budget for the students of the college.

xvii) Department of English and UGC- Sponsored ‘Centre for Foreign Languages’ organized the

following activities:

a) '**Lang-Lit**' an inter-collegiate linguistic and literary contest, was conducted on 05 - 06 January 2018, to provide a forum to the English and Foreign language learners. Seven competitions were held under this banner:

- Speak-a-Minute
- Poetry Recitation
- Spell-it-Right (English, German, French and Japanese)
- Lexical Bonanza (English, German, French and Japanese)
- Are you Americanized?
- Group discussion
- Literary Quiz

The objective was to enhance the deteriorating standards of English language and to develop a competitive spirit amongst students.

b) An '**Awareness Programme and Workshop on Japanese Language and Culture**' was organized on 1st August 2018.

The objective was to create awareness about the importance of foreign languages in the modern times especially Japanese and how it increases the educational and career opportunities of students.

c) An '**Awareness Programme and Workshop on German language and Culture**' was conducted on 6th September, 2017, with an objective to create awareness among the students about foreign languages in general and German language in particular, on the campus.

d) An '**Orientation lecture on Chinese (Mandarin) language**' was conducted on 22nd January 2018, to develop students' interest in this language which is the most widely spoken language in the world.

xviii) Ten departments of the college namely, English, Economics, History, Bioanalytical Sciences, Computer Science, Environmental Sciences, Microbiology, Physics, Commerce and Accountancy and the Central Library of the college organized **skill-development programmes** for their students.

xix) '**No Vehicle Day**' was observed on 20 January 2018, to save environment from pollution emanating out of vehicles. No vehicles were allowed on the campus that day and use of public transport was encouraged.

2.15 Plan of Action by IQAC / Outcome

<i>Plan of Action</i>	<i>Outcome</i>
<ul style="list-style-type: none"> • Induction program for the Students/ New Faculty • Career-guidance for students. • To make Alumni Association active-through advertisement/ Face book etc • Mass screening of students at entry point to identify / nurture the artistic talents of the students • To organize faculty training/ enrichment program 	<p>IQAC, Birla College, organised an Orientation Programme for the First year undergraduate students from 18-24 July, 2017.</p> <p>All departments imparted career-guidance to students at departmental level.</p> <p>Each department formed WhatsApp groups of their former students.</p> <p>Arts Circle screened students at F.Y.B.Sc level to identify their latent artistic talent.</p> <p>The following workshops were organized for faculty enrichment:</p> <ul style="list-style-type: none"> • IQAC organized a 1-day workshop on “Revised Accreditation Framework: New Guidelines from NAAC” on 18th December 2017. • IQAC organized a half-day workshop on ‘Intricacies of Autonomy’ to inform teachers about the benefits of Autonomy on 14th February, 2018. • IQAC, in association with Guru Angad Dev Teaching Learning Centre of MHRD, New Delhi, organized a national seminar on ‘Awareness on E-learning and MOOCs’ on 7th April, 2018. • Department of Chemistry jointly with the Board of Studies, University of Mumbai, organized a workshop on ‘S.Y.B.Sc. Revised Syllabus’ on 14th June 2017. • Central Library organized a 1- day Workshop on ‘Library and Information Science Profession in the Digital Era: Changing trends, Challenges and Opportunities’, on 24th March 2018. • Department of Information Technology organised a workshop on ‘Cyber Crime Awareness’ on

<i>Plan of Action</i>	<i>Outcome</i>
<ul style="list-style-type: none"> • To increase the number of Research projects/Consultancy • Develop more international and national linkages with institutes/Universities/Industries • To organize CAS interviews • To organize a national seminar on ‘New guidelines of NAAC accreditation’ • To conduct skill-development workshop for students 	<p style="text-align: center;">26th February 2018.</p> <p>Under IQAC guidance Research committee motivated faculty members to take up Minor and Major research projects of the University and the UGC. Blank formats, sample research proposals, sample reports and all other documents to be attached to the research proposals were made available to the faculty members who were interested in applying for Minor and Research projects.</p> <p>On 4/4/2018 one more MoU with University of West Georgia was signed.</p> <p>IQAC acted as facilitator in the initiation and the completion of the CAS process. Nine faculty members due for promotion, underwent the CAS process.</p> <p>A 1-day workshop on ‘Revised Accreditation Framework: New Guidelines from NAAC’ was organized on 18th December 2017.</p> <p>This year, as one of the best practices, 10 departments of the college organized skill-development workshops for students:</p> <ul style="list-style-type: none"> • Department of English conducted a workshop on ‘English for Competitive Exams’ on 23rd. February, 2018 • Department of Economics conducted a workshop on ‘How to make Charts and Graphs?’ on 17th February, 2018 • Department of History organized a workshop on ‘Library Management Skills and Career-options in History and Interview Skills’ on 26th February 2018. • Department of Bioanalytical Sciences organized a workshop on ‘Essential Laboratory Skills’ on 22nd February 2018.

<i>Plan of Action</i>	<i>Outcome</i>
<ul style="list-style-type: none"> • To apply to DBT for funding for Star College Scheme for five new departments • To enhance Campus Placement 	<ul style="list-style-type: none"> • Department of Computer Science organized a workshop on ‘Skills Development in Computer Hardware’ on 27th February 2018. • Department of Information Technology organised a workshop on ‘Cyber Crime Awareness’ on 26th February 2018. • Department of Physics organized a workshop on ‘Skill India-the Need of Hour and Leadership Skills’ on 16th December 2017. • Department of Commerce and Accountancy organized a workshop on ‘Goods and Services Tax’ on 27th September 2017. • Central Library organized a 1- day Workshop on ‘Library and Information Science Profession in the Digital Era: Changing trends, Challenges and Opportunities’, on 24th March 2018. <p>Departments of Mathematics, IT & Computer Science received Star College Scheme for three years.</p> <p>A total of 392 students were placed.</p>

2.15 Whether the AQAR was placed in statutory body Yes No

Management Syndicate any other body

Provide the details of the action taken

Suggestion from the Chairman and members of the Management are considered.

Annexure: - 1.1

<i>Sr. No.</i>	<i>Program</i>	<i>Courses</i>	<i>Details</i>	
1	Under Graduate	Bachelor of Arts.	English	3 Unit
			Marathi	6 Unit
			History	3 Unit (English)
				6 Unit (Marathi)
			Geography	6 Unit (Marathi)
			Hindi	6 Unit
			Political Science	3 Unit (English)
				6 Unit (Marathi)
			Economics	3 Unit (English)
		6 Unit (Marathi)		
		Bachelor of Mass Media	6 Unit (English)	
		Bachelor of Science	Botany	06 Unit
			Computer Science	6 Unit
Information Technology	6 Unit			

<i>Sr. No.</i>	<i>Program</i>	<i>Courses</i>	<i>Details</i>		
			Mathematics	6 Unit	
			Physics	6 Unit	
			Chemistry	6 Unit	
			Zoology	6 Unit	
			Microbiology	6 Unit	
			Biotechnology	6 Unit	
		Bachelor of Commerce	of	B.Com (General)	
				B.Com. (Accounting & Finance)	6 Unit
				B.Com. (Banking & Insurance)	6 Unit
				B.Com. (Financial Management)	6 Unit
		BMS		Bachelor of Management Studies	6 Unit
				IDOL & YCMOU courses	
Post-Graduate*	Master of Arts.	Marathi			
		History			
		Business Economics			
		Hindi			
		Political Science			
	Master of Science (By Paper)	Physics			
		Chemistry			
		Zoology			
		Microbiology			
		Biotechnology			

<i>Sr. No.</i>	<i>Program</i>	<i>Courses</i>	<i>Details</i>	
			Botany	
			Environmental Sciences	
			Computer Science	
			Information Technology	
			Bioanalytical Science	
		Master of Commerce	Advanced Accounting & Auditing	
		Master of Commerce	E- Commerce	
			IDOL & YCMOU courses	
	Ph. D.	Doctor of Philosophy	Botany, Chemistry, Microbiology, Physics, Biotechnology, Zoology, History, Hindi and Economics	
	Post-Graduate Diploma	PG Diploma	Bio-Nano Technology	
Advanced Diploma in Medical Laboratory Technology	Advanced Diploma MSBTE	Medical Laboratory Technology (ADMLT)		
2	UGC Sponsored 'Centre for Foreign Languages' (Under CE)	6 - month Certificate Courses	Languages : French, German, Chinese (Mandarin) (Under CE)	
		English (1-year Certificate Course)	Functional English UGC - Sponsored Career Oriented, 'Add-On' Course	
3	Certificate Course	Hindi	Saral Hindi	3 months

<i>Sr. No.</i>	<i>Program</i>	<i>Courses</i>	<i>Details</i>	
		Centre for Yoga and Philosophy	6 Day workshop on Healthy Body and Healthy Mind (Under CE)	
		History	Certificate Course in Pali (Under CE)	
			Certificate Course in Manuscriptology (Under CE)	
			Certificate Course in 'Studies in Epigraphy' (Under CE)	
		Chemistry	Industrial Chemistry UGC - Sponsored Career Oriented, 'Add-On' Certificate Course	1 year
		Zoology	UGC Sponsored Career Oriented 'Add-On' Certificate Course in Bio Informatics	1 year
4	Diploma Course	Chemistry	Industrial Chemistry (UGC - Sponsored Career Oriented, 'Add-On' Diploma Courses)	1 year
			Accounting and Taxation (Community College)	
5	Interdisciplinary**	B. Sc. Biotechnology		
		B. Sc. Microbiology		
		M. Sc. Biotechnology		
		M. Sc. Environmental Sciences		
		M. Sc. Bioanalytical Sciences		

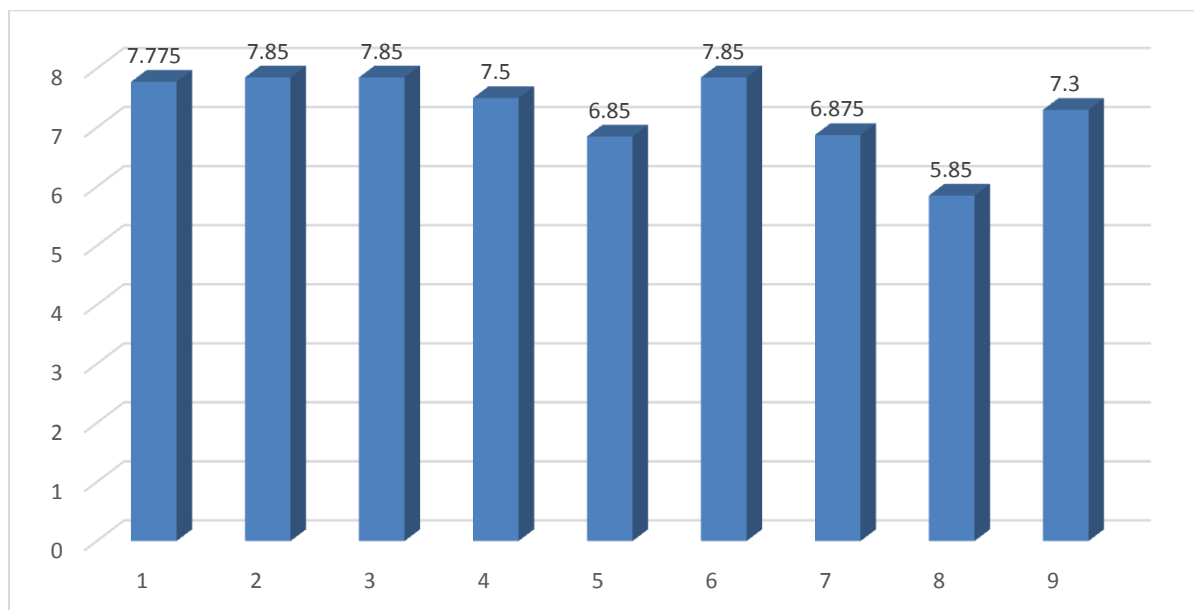
* PG (by research) in Physics, Chemistry, Microbiology, Biotechnology and Botany: No enrollment of students.

** Interdisciplinary activities are held in departments of Botany, Chemistry, Microbiology, Physics and Zoology under DBT – Star College Scheme.

Annexure: 1.2

Students' Satisfaction Analysis

(July 2017 – June 2018)

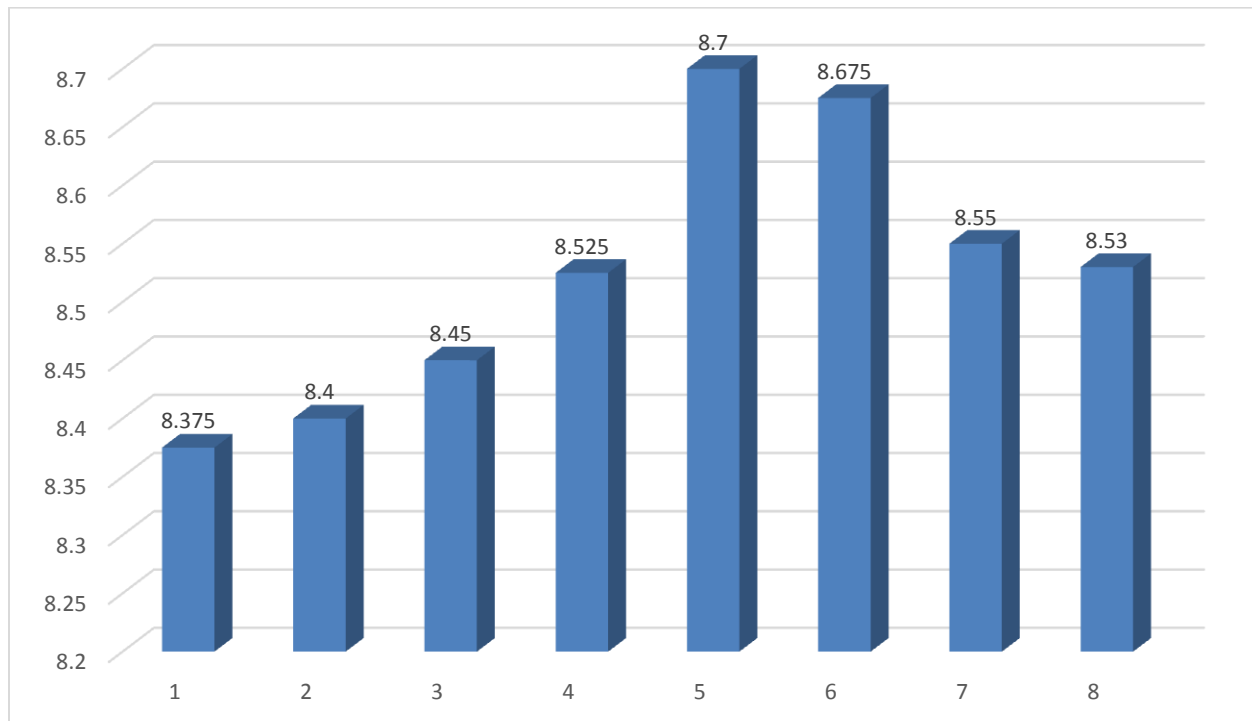


X- Axis Label	Details About X-axis Label	Y-axis Score Obtained
1	Teaching - Learning Process	7.775
2	Conduct of Examination	7.85
3	Library Facilities	7.85
4	Extra-curricular activities	7.5
5	Sports Facilities	6.85
6	Security Services	7.85
7	Grievance Redressal	6.87
8	Drinking water and Washroom facility*	5.8
	Overall Average	7.3

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Alleviation measures underway.

Feedback Analysis
(July 2017 – June 2018)



X- Axis Label	Details About X-axis Label	Y-axis Score Obtained
1	The teacher's effectiveness in teaching the subject	8.37
2	Clarity of teacher's Voice and Communication Skills	8.40
3	Teachers use of examples and illustration	8.45
4	Readiness to extra help when needed	8.52
5	Punctuality of Teacher	8.70
6	Level of discipline maintain in the class	8.67
7	Interaction with students	8.55
	Overall Average	8.53

Criterion - I

1. Curricular Aspects (Annexure 1.1)

1.1 Details about Academic Programmes

Level of the Programme	Number of Existing programmes	Number of programmes added during the year	Number of Self-financing programmes	Number of programmes Added / Career Oriented Programmes
Ph.D.	07	-	-	Industrial Chemistry Courses
PG	17 [#]		-	-
UG	22 [#]	-	-	-
PG Diploma	01	-	-	-
Advanced Diploma	01	-	-	-
Diploma	02			
Certificate	10	-	-	-
Others	03 ^s	-	-	-
Total	58	-	-	-
Interdisciplinary	03	-	-	-
Innovative				

#UG and PG Courses in YCMOU and IDOL

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

- CBSGS (Credit Based Semester and Grading System)

(ii) Pattern of programmes:

Pattern	Number of programmes
Semester	√ (All)
Trimester	-
Annual	-

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

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

* Analysis of the feedback is provided in Annexure 1.2

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

There is no significant change in the syllabi. The new CBSGS system introduced in the Academic Year 2016-17 with 100 marks was continued in Undergraduate Courses of Arts, Science and Commerce stream till second year graduation. The previous pattern of 75:25 continued for third year for Arts, Science and Commerce stream.

Foundation Course pattern has not changed. It continued with 75:25 in the year 2017-18 also.

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

NA

Criterion – II : Teaching, Learning and Evaluation

2.1 Total No. of permanent faculty

Total	Asst. Professors	Associate Professors	Professors	Others
59	35	16	01 (Principal)	01 (Librarian)

2.2 No. of permanent faculty with Ph.D.

30

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

Assistant Professors		Associate Professors		Professors		Others		Total	
R	V							R	V
---	11*	-	-	-	-	-	-	---	11

* 09 faculty members are appointed on ad-hoc basis

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

Regular Faculty (unaided): 27 (06 faculty with Ph. D.)

Temporary faculty: 03

+ 02*
Visiting

Sr. No.	Name of the course	No. of visiting faculties
1	B.Com [(A&F) (B&I, FM)], BMS	25
2	BMM	10
3	B. Sc.(Comp. Sci., IT)	06
4	B. Sc.(Mathematics)	04
5	M. Com	02
6	M.A.	21
7	M.Com (E-Commerce)	04
8.	B.Sc. (Biotechnology)	07
	M.Sc. (Bioanalytical Sciences)	14
	Biotechnology	01
	Environmental Studies)	16
9.	M.Sc. (Computer Science)	04
10.	M.Sc. (Information Technology)	10
	Total	124+02*

Faculty: 111

* 02 faculty from University of West Georgia, USA

All the departments organise special lectures by eminent experts from various institutes and industries in their respective subjects

2.5 Faculty participation in Conferences and Symposia:

No. of Faculty	International level	National level	State level
Attended Seminars / Workshops	14	112	08
Presented papers	20	78	02
Resource Persons	07	14	-

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

- Emphasis on 'Hands-on' training on various laboratory equipments
- Use of various softwares in teaching
- Extensive use of teaching aids such as models, charts, maps, etc.
- Students are encouraged to give seminars on various topics from the syllabi.
- Students are involved in small research projects and are encouraged to do the poster presentation on research projects.
- Students are motivated to use e-resources
- Some departments have developed skill based experiments
- Organisation of visit to various research institutes and industries.
- Organisation of lecture series by eminent personalities to motivate the students for higher education.
- Emphasis on innovative interdisciplinary projects.
- Preparation of laboratory manuals
- Participation of students in webinars

180

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

2.8 Examination / Evaluation Reforms initiated by the Institution (i.e. Open Book Examination, Bar Coding, Double Valuation, Photocopy, Online Multiple Choice Questions)

- The College has adopted credit based grading semester system as per University of Mumbai guidelines.
- Semester – I, II, V, VI examinations at undergraduate level and semester I – IV at postgraduate level are conducted at College. However the question paper is set by University of Mumbai and sent to the College electronically on the day of examination.
- Answer-books provided by University of Mumbai has bar coding
- Revaluation of answer-book is possible at both College and University level
- Moderation of answer-books is carried out both at University and College level
- Photocopy of answer-books is provided to students on demand
- Online Screen Marking (OSM) has been introduced by University of Mumbai for all UG and PG examinations conducted by the University. College is CAP Centre for OSM and the facility is provided to teachers from other Colleges also.

2.9 No. of faculty members involved in Curriculum Restructuring / Revision / Syllabus Development as member of Board of Study / Faculty / Curriculum Development workshop

- Member of BoS - 04
- Syllabus Framing Committee - 03
- Curriculum revision workshop attended - 10

2.10 Average percentage of attendance of students

75%

2.11 Course / Programme wise distribution of pass percentage:

Title of the Programme	Total no. of students appeared	Grade wise analysis					
		O (%)	A (%)	B (%)	C (%)	D (%)	Pass (%)
T.Y.B.A.	294	09.18	38.00	25.50	14.60	01.70	88.98
T.Y. B.Sc.	335	12.24	47.46	21.49	02.69	01.79	85.56
T.Y.B.Com.	539	02.00	42.00	26.00	16.00	04.00	90.00
T.Y. B.Sc. (IT)	135	07.40	36.30	35.60	06.70	03.00	88.90
T.Y.B.Com (B&I)	64.00	9.38	70.31	15.63	3.13	0.00	98.44
T.Y. B.Com (A&F)	71.00	7.04	66.20	18.31	4.23	4.23	100.00
T.Y.BMS	139	06.47	37.41	28.05	08.64	01.43	82.00
T.Y.BMM	66	-	19.69	27.27	27.27	04.54	78.78
M.A.	80	2.5	63.75	20.00	-	-	95.00
M.Com.	55	-	58.18	32.72	-	-	90.91
M. Com (E-Comm.)	13	23.08	61.54	15.38	-	-	100.00
M.Sc.	153	-	39.22	45.75	0.65	0.65	91.50

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

- IQAC has prepared annual academic calendar which has to be maintained by all the faculty members
- Daily attendance record, review of syllabus completion is regularly monitored by HoDs and Vice Principals.
- IQAC regularly reviews the academic activities carried out in every department.
- Student feedback forms are collected by every faculty members.
- Students satisfaction forms based on infrastructure and other facilities provided by the College are collected regularly and immediate actions are taken to resolve the problem.
- API Forms of the teachers are collected at the end of every year. IQAC helps teachers for filling the API forms.

2.13 Initiatives undertaken towards faculty development

<i>Faculty / Staff Development Programmes</i>	<i>Number of faculty benefitted</i>
Refresher courses	03
UGC – Faculty Improvement Programme	
HRD Programmes	03
Orientation Programmes	02
Faculty Exchange Programme	01
Staff training conducted by the university	
Staff training conducted by other institutions	
Summer / Winter schools, Workshops, etc.	

2.14 Details of Administrative and Technical staff

Category	Number of Permanent Employees	Number of Vacant Positions	Number of permanent positions filled during the Year	Number of positions filled temporarily
Administrative Staff	126*	37 Vacant	Nil	Nil
Technical Staff	01**	--	--	--

* Regular administrative Staff (unaided) - 32

** Regular Technical Staff (unaided) - 01

** Technical Staff (Contractual basis) - 02

Facility Management Staff (Outsourced) - 25

Criterion - III : Research, Consultancy and Extension

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

Our institution has a research committee which functions under the guidance of IQAC to promote research culture among faculty and students. Faculty members are motivated to submit research proposal to various funding agencies, present / publish research papers in conferences / journals. Necessary help and guidance is provided to the faculty members.

Various eminent researchers were invited to deliver scholarly talks on regular basis.

- **Dr. Veena Paliwal**, Assistant Professor of Mathematics, University of West Georgia (UWG), USA delivered a lecture, '*Admission Process, Exam System and Evaluation System in University of West Georgia*' on 1st August 2017.
- **Dr. Umesh Kadane**, IIST, Trivandrum, on 5th August 2017 delivered lecture on, '*Indian Space Research*'
- **Dr. Krishna Iyer** was invited for a special lecture for all U.G. and P.G. students. He delivered a talk on '*Phytoremediation and Metabolism*' on 19th August 2017
- **Mr. Swapnil Thorat**, IAS, enlightened the students through his lecture, '*Information on UPSC examination*' on 20th August 2017.
- **Dr. Radha Shrinivasan**, Associate professor, Department of Physics, University of Mumbai and **Dr. Kiran Kolwankar** Associate professor, Department of Physics, Jhunjhunwala College, Mumbai were the guest speakers on 23rd Aug 2017 and 2nd September 2017 respectively for the lectures on concept building in Mathematical Physics
- **Padmashri Dr. Sharad P.Kale**, Retd. Head, Technology Transfer and Collaboration Division, BARC was invited Under the *Eminent Scientists Lecture Series* on 15th September 2017. In his well inspiring talk, he explained various *aspects of science with relevance to traditional knowledge and daily life* examples. The Eminence of scientific leader touched the hearts of all present to learn science in a logical, analytical and application based approach.
- **Dr. D. C. Kothari**, Ex. Director, Center of Nanoscience and Nanotechnology was invited on 6th Oct. 2017 as a part of lecture series. It was a combined venture of DBT sponsored Star Status and PG Diploma in Bionanotechnology. He explained the '*working principle of an Atomic force Microscope: Instrumentation and Applications*'.
- **Dr. Jayshree Ramkumar**, Chemistry Division, BARC, Mumbai was invited to deliver a lecture on '*Introduction to Nanoscience and Nanotechnology*' as a part of lecture series under the DBT Star Status and PG Diploma in Bionanotechnology on 7th Oct. 2017.
- **Padmashri Dr. S.P Kale**, Former Head, Technology Transfer and Collaboration Division, Bhabha Atomic Research Centre (BARC) was invited as a chief guest for One day

workshop on '*Solid Waste Management*' on Thursday, the 12th October 2017. Dr. Kale in his talk mentioned that, for any project to be successful, the participation of all is very essential. Some people spread awareness on Solid Waste Management, but unfortunately can be seen generating the waste themselves. The segregation of waste should begin at home. He further said that the biogas project which he has initialized is being visited by people in a similar way as people go and visit deities in the temples. The technical aspects of segregation of waste, bio composting and growing of plants were very well explained by Dr. Kale.

- **Dr. Debdatta Ratna**, Scientist, NMRL, Ambarnath was invited on 14th Oct. 2017 as a part of lecture series. He explained the use of '*TGA/DTA tools for Novel material analysis*'. The program was organized as a combined effort of the DBT Star Status and PG Diploma in Bionanotechnology.
- **Padma Bhushan Prof. S. M. Chitre**, Professor, Emeritus Centre for Excellence in Basic Sciences and **Padma Shri Prof. R. V. Hosur**, Ex - Director, Centre for Excellence in Basic Sciences were invited as Chief Guests to mark and celebrate 108th Birth Anniversary of Padma Bhushan Dr. Homi Jahangir Bhabha on 30th October 2017.
- **Dr. Prasun Mishra**, Founder and CEO of Agility Pharmaceuticals, USA, Founder president and CEO of American Association for Precision Medicine (AAPM), USA, delivered a lecture, '*Opportunities in Research in USA*' on 24th November 2017
- **Dr. Pravin Mishra**, Director, Research and Development center, Intermountain Healthcare St George, UT, USA. delivered a lecture, '*Opportunities in Research in USA*' on 24th November 2017
- **Shri Vikas Chandra Rastogi, IAS**, Project Director, Climate Resilient Agriculture in Maharashtra, Government of Maharashtra, delivered a lecture on '*Sustainable Agriculture*' on Saturday, the 25th November 2017. He spoke on exploring solutions for rain fed farming and vulnerability to climate change. The various methods for management of sustainable agriculture were well highlighted. The role of citizens and farmers were also defined.
- **Mr. Abhishek Chandra**, Co Founder & Animation Director, Golden Robot Animation, Co Founder & Director, CG Tantra Network, was a guest lecturer who delivered special lecture on '*Animation*' on 9th Dec, 2017
- **Dr. Swamy Mruthinti**, Associate Professor, Biology, University of West Georgia, USA delivered a very fascinating lecture on '*Role of Chaperones in Aquaporins*' on 12th December 2017.
- **Dr. Swamy Mruthinti**, Professor of Biology, University of West Georgia (UWG), USA, delivered lecture, '*Opportunities and Interdisciplinary studies in Mathematics*' on 13th December 2017.

- **Padma Vibhushan, Anil Kakodkar**, Indian nuclear scientist, Ex- Chairman of the Atomic Energy Commission of India and the Secretary to the Government of India, was invited as a chief guest for the inaugural function of Pravah – 2017. It was an intercollegiate science festival organised under DBT- Star Status. He inaugurated Science Exhibition on “GREEN ENERGY” (GE-2017) aimed for college & school students on 15th December, 2017. Students were enlightened by his lecture on ‘*Learning science through Science Exhibition*’. He emphasized on need of scientific temperament. He further emphasized that promoting and using Green Technology is the prime need of the hour. It will help in reducing pollution and Carbon footprint. He encouraged the students and faculty members for inventions and innovations.
- **Dr. Anjum Syed**, M.D. (Gynecology) delivered a talk on ‘*Role of Obesity in Reproductive health*’ on 19th Dec 2017.
- **Dr.(Ms) Neeta Chakravorty**, head, department of English, R. J. College, Ghatkopar, Mumbai, inaugurated ‘**Lang-Lit**’, the inter-collegiate linguistic and literary contest, conducted in conjunction with the UGC- Sponsored ‘Centre for Foreign Languages’ on 05 - 06 January 2018 and delivered the inaugural address.
- **बिड़ला महाविद्यालय, संस्थान हिन्दी केन्द्रीय द्वारा कल्याण , आगरा एवं सेंचुरी रेयान के शहाइ , -१२ में तत्त्वावधान संयुक्त १३ जनवरी-दिन २०१८ ,शुक्रवार एवं शनिवार को विज्ञान और साहित्य विषय पर द्विदिवसीय-अंतरराष्ट्रीय परिसंवाद का आयोजन किया गया ।**
- **प्रोशर्मा आनंदवर्धन.**, महात्मा गाँधी अंतरराष्ट्रीय हिन्दी विश्वविद्यालय के प्रतिकुलपति इस परिसंवाद में उद्घाटनकर्ता के रूप में उपस्थित थे विस्तृत पर लेखन साहित्य और विज्ञान उन्होंने | **बताया आवश्यक को परिसंवाद पर विषय इस हुए डालते प्रकाश**
- **श्री जितेन्द्र भाटिया**, हिन्दी साहित्य के शीर्षस्थ इस सत्र के मुख्य अतिथि के रूप में उपस्थित थे |
- **प्रोओरंस्क्या तत्याना.**, हेम्बुर्ग विश्वविद्यालयमें रूप के अतिथि विशेष जर्मनी ,और प्रोमिलेना.बरतेएवा सोफिया विश्वविद्यालय | थीं उपस्थित की बुल्गारिया ,
- **प्रोतिवारी रामजी.**, मुंबई विश्वविद्यालय ,मुंबई के हिन्दी विभाग के पूर्व अध्यक्ष द्वारा बीज वक्तव्य प्रस्तुत किया गया|विज्ञान और साहित्य को जोड़कर दोनों को मानवजीवन के लिए कल्याणकर बताते हुए तिवारी जी ने अपनी मधुर वाणी से वहाँ उपस्थित श्रोताओं को मंत्रमुग्ध कर दिया |
- One day **Seminar** on ‘*Recent Advances in Laboratory Medicine*’, was organized on 14th Jan, 2018 in this seminar **Dr. M.B. Agarwal**, M.D. (Hematology) delivered an Inaugural lecture on ‘*Who is a bleeder?*’

- **Mrs. Dipali Shah and Mr. Rahul Wantmure**, Assistant Professors, NCRD Sterling Institute, delivered Special Guest Lecture on '*Career after B.Sc.*' on 9th Feb, 2018
- **Mr. Nilesh Shirke**, Course Coordinator, IT Programs, MET, Bandra, delivered Special Guest Lecture on '*Career after B.Sc.*' on 10th Feb, 2018
- **Dr. S. Patil** delivered a lecture on '*Hygiene and Sanitation*' on 16th February 2018, motivating students to carry the message of hygiene and role of sanitation in management of various diseases.
- One Day **National Conference** on '*Advanced Analytical Tools for Materials Characterization*' was organized (AATMC-2018) on 28th February 2018. The event was supported by the DBT Star Status and Century Rayon, Shahad. The event was celebrated to mark the international science day. During this conference various eminent speakers were invited. Some of them are listed below:
 - **Dr. Manoranjan Patri**, Scientist G, Director, NMRL, Ambarnath, inaugurated the conference. During his speech he announced that the instrumentation facilities at NMRL, Ambarnath will be made available to researchers. He gave a talk on '*Use of the right analytical tools for the cost-efficient problem solving and characterization of novel materials, (i.e., one that has the correct measurement capabilities and characteristics)*'.
 - **Prof. A.K. Tyagi**, Chemistry Division, Bhabha Atomic Research Centre, Mumbai was a Keynote speaker who spoke on '*An overview of material characterization techniques*'.
 - **Prof. Rajeev Chikate**, Professor & Head Department of Chemistry, MES AbasahebGarware College, Pune delivered a talk on '*X-ray Photoelectron spectroscopy: An efficient Tool for Surface Characterization of Materials*'.
 - **Prof. Rajasekharan Pillai**, Former Chairman UGC, New Delhi and Former Director, NAAC, Bangalore was invited as a chief guest for Valedictory function. He delivered a talk on '*the Importance of National Science Day and biography of Dr. C.V. Raman*'. He motivated the young students to research using basic analytical tools.
- **One Day Conference** on Biosciences was organized on 10th March, 2018 for which following eminent scientists were invited
 - **Dr. Savita Kulkarni**, Scientific officer, BARC, delivered a lecture, '*Resistance in diseases*'.
 - **Dr. Nixon Abraham**, Assistant Professor, IISER, Pune, delivered a lecture, '*Correlation to causality: Recent development in neurosciences*'
 - **Dr. Neelima Joshi**, Senior Vice President and Head, Drug Discovery Research , Glenmark, Mumbai, delivered a lecture, '*Pharmaceuticals – Innovations*'
- One Day National Symposium on "**Digital India**" under "Star College Scheme" of DBT

was conducted on 26th March 2018. During this conference various eminent speakers were invited.

- **Dr. S. S. Mantha** an eminent academician and Ex- Chairman, of All India Council for Technical Education (AICTE), was invited for inauguration, in his speech he said that '*The Digital India programme*' is a flagship programme of the Government of India with a vision to transform India into a digitally empowered society and knowledge economy. Even though Information Technology is not treated as engineering subject and not even IIT's offer bachelor degree, he exclaimed that 35-40% syllabus covers IT! Fundamentals of Digitalization include collect information, store, retrieve, create pattern and interpret. Digitalization brings things together developing cutting edges and is extremely useful from citizen's point of view. He opined that the digital India mission go hand in hand with Skill India as there is dire necessity of simple technical skills with higher order skills.
- **Dr. Swapnil Dambe**, Director of CGI Information Systems and Management Consultants (I) Pvt. Ltd. who he spoke on topic '*Human Computer Interface*' with reference to technology usage, human evolution ranges from steam engine, (1780s) to cyber physical systems (present). He said that while designing a system, there is always a disconnection between design and human, HCI helps in assisting to bridge the gap.
- **Dr. Mangesh Karandikar**, Dean, Deviprasad Goenka Management College of Media Studies, Malad. He spoke on '*Effect of Digitalization on Media*'. Explaining the father of Indian Communication, Sam Pitroda, famously known for Communication Revolution, Dr. Karandikar put forth his thoughts. He highlighted the difference between Digitalization and Digitization when it comes to Media, thereby giving students the apprehension of distinction between Binary data and Analogue data and today is the time when we have fluxity of data resulting in to trans-mediality. The students can use their cell phones to compose music and upload it. These are the few ways to generate revenue using social medium. But the students have to maintain 'consistency', the most important factor in Media" says Dr. Karandikar while interacting with the students.
- **Mr. Sahastrabudhe**, senior project Research Scientist, Department of Computer Science and Engineering, IIT Bombay, Mumbai delivered inspiring and informative speech on 'Animation'. Mr. Sahastrabudhe presented the techniques used to create animation film and statistic of frames required to create the same.He also focused on the applications of animation in various domains. He suggested that different educational websites like edex, udacity to gain the knowledge regarding animation. He suggested oscar.iitb.ac.in which is an open source courseware animation repository which provides a repository of web based interactive animation and simulation that we refer to as learning object. He also suggested MOOC (Massive Online Open Courses), Coursera to learn online courses on animation from top

universities. Students can enroll the free course on IIT Bombayx.in for 3D animation. He also introduced the software named Blender, Maya which are used to create Basic 3D animations technique in which you can show the things which are not shot by camera and not seen by naked eye”.

- **Dr. Ashok Wadia**, Principal, Jai Hind College graced the valedictory function. Dr. Naresh Chandra addressed the gathering and spoke about movement of B. K. Birla College towards Autonomy. He requested Dr. Ashok Wadia to address gathering and give some guidance regarding Autonomy. In his speech Dr. Ashok Wadia explained the meaning of ‘*Autonomy and Benefits of autonomy*’.
- **Dr. Dimpal Datta** and **Jayshree Ramkumar**, BARC, Chemical Division, Mumbai were the invited speakers who spoke on ‘*Green Nanotechnology and its Applications*’. The program was held under College of Excellence (CE) status during the seminar organized on 21st April 2018.
- **Dr. A. K. Srivastava**, Dept. of Chemistry, UGC-BSR Faculty Fellow, University of Mumbai, on 21st April 2018 delivered a talk on, ‘*Electrochemical Devices and Strategies for Practicing Green Chemistry and Analytical Chemistry Using Nano materials*’ in the workshop ‘*Voltammetry techniques and their applications*’ under College of Excellence (CE) status.
- **Mr. Vijay Chandratre**, Vice President, Corporate Safety, Mumbai, emphasized on ‘*Safety and Precautionary measures*’ in the workshop ‘*Safety in the Laboratory*’ under College of Excellence (CE) held on 24th April 2018.
- **One Day Seminar ‘Lakshya’** was organized on Challenges and opportunities in transportation and traffic management on 11th May 2018. During this Seminar various eminent speakers were invited.
 - **Shri Govind Bodke (IAS)** made inaugural address He expressed the spirit of high enthusiasm in the mission amidst of challenges as to traffic, cleanliness, water supply, etc in the Kalyan city. He expressed his gratitude to B. K. Birla College to participate in the smart city mission and commented that transportation and traffic management is the key issue on focus. He explained the reasons and causes with suggestive measures planned. He gave open invitation to students with suggestions and anytime can walk into his office as a responsible citizen for the betterments of the city. He summarized about the recycling plant and within 3 months time our city will reach a complete attainment stage of ‘*No Plastic on Road!*’
 - **Shri Subhodh Dave**, Vice Chairman, B. K. Birla College, Kalyan addressed gathering. He highlighted the purpose of the seminar as to increase the responsibility of students in transformation of Kalyan city as a smart city. He expressed the need of the hour to solve transportation issues and highlighted on other impact like noise pollution, dust, fuel issues, road race, accidents, vehicle damages, parking issues, etc.

He concluded his speech by expressing that it is the responsibility of the citizens of Kalyan to convert the city as a Smart city as dreamt.

- **Shri Pramod Kulkarni** , was invited as chief guest. He highlighted the topics like Location of Kalyan city, its population growth, Traffic analysis and national urban transport policy, Proposed Intercity Bus terminal, Metro-monorail corridor in KDMC, Problems and issues with respect to Poor intersection of geometric improvements, Low Average journey speeds, Lack of support to pedestrian facilities, High usage of Auto Rickshaws in city, Inadequate public transport system, Absence of Road hierarchy. Absence of Bypasses, Inadequacy of truck terminals, Freight movements inside city
 - **Mr. Siddharth Gondhale**, Transportation engineer, MMRDA, spoke about MMRDS, Introduction to Transportation, Present scenario of transportation, Role of MMRDA Projects, From 2008 till date developments, Metro rail-Monorail, Critical issues for implementation: Utility shifting, Land for depot, staircase land, fire fighting etc was explained, SATIS, objectives, population issues and employment generation.
 - **Mr. Viveshwar Singh**, Station Director, Kalyan, addressed audience on History of Kalyan station and phase by phase development and growth, Functions of Railways, Automatic signaling, Linne capacity utilization, CBT, Land acquisition related open issues, Segregation of Local and Mail platforms in Kalyan proposed, Crossing related issues, third line from Kalyan to Karjath-Kasara in 2-3 years from now, Complexities in system user friendly support and customer handling issues, Train management system benefits, Delegates from Srilanka, possibilities of starting the bullet train, cleanliness of the station and up gradation of looks of the station.
- **Dr Vipul Kakkar**, M.D.(Ayurveda) delivered a talk on '*Control of Diabetes*' on 16th October 2018. It was organized for faculty members and non-teaching staff of the college.
 - **Dr. K. P. Muthe**, an eminent scientist from BARC was a chief guest who inaugurated 1–Day workshop on Applied Physics organized under CE status. He motivated the students by his talk on '*necessity of creative thinking to develop scientific temperament*'.
 - **One Day National seminar** on 'Emerging Trends In Laboratory Medicines', was organized by department of Microbiology and School of Paramedical Sciences on 14th January 2018 .
 - **Dr Pradeep Sharma** (MD, DPB) Ex Medical Director, Dr. Babasaheb Memorial Hospital, spoke on 'the latest development in the field of Cytology'.
 - **Dr Shubhangi Agale** (MD, DCP) Grant Medical College, Mumbai, explained 'the utility of diagnostic tools in early detection of cancer and better patient care and treatment'.
 - **Dr SubhprakashSanyal**(MD), Hematologist, Fortis Hospital, talked about- 'How to read the hematogram?' How one should co relate the results obtained from automation with the manual findings?
 - **Dr Anuradha Sriram** (MD), Microbiologist, L.H. Hiranandani Hospital, elaborated

on the ‘Rapid diagnostic tests in Microbiology’. The working and significance of the automation in Microbial analysis was well explained by her.

3.2 Details regarding major projects

	Completed	Ongoing	Sanctioned	Submitted
Number	--	--	01	--
Outlay in Rs. Lakhs	--	--	4.57	--

3.3 Details regarding minor projects

	Completed	Ongoing	Sanctioned	Submitted
Number	--	--	04	--
Outlay in Rs. Lakhs	--	--	1.55	--

3.4 Details on research publications

	International	National	Others
Peer Review Journals	24	01	--
Non-Peer Review Journals	--	04	--
E-Journals	38	--	--
Conference proceedings	02	02	--

3.5 Details on Impact factor of publications:

Range

0.9 to 7.421

 Average

4.555

h-index

Dr. Naresh Chandra	- 10
Dr. Geetha Unnikrishnan	- 02
Dr. M. A. Thakurdesai	- 06
Dr. M. M. Khandpekar	- 06
Dr. Avinash Patil	- 06
Dr. Sandesh Jaybhaye	- 04
Dr. Vilas R. Khairnar	- 02
Dr. D. E. Kshirsagar	- 02

Nos. In SCOPUS

26

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

Nature of the Project	Duration Year	Name of the funding Agency	Total Grant Sanctioned (in Lakhs)	Received (in Lakhs)
Major projects	-	-	-	-
Minor Projects	-	-	-	-
Interdisciplinary	-	-	-	-
Industry sponsored		Century Rayon, Shahad**	-	-
Projects sponsored by the University/	03	University of Mumbai	1.55	1.55

College			
Students research projects (<i>other than compulsory by the University</i>)	01	Students completed interdisciplinary projects under DBT Star Status / Scheme(2.5 Lakhs spent against 34 Lakhs recurring grant received)	
* Under the DBT- Star College Scheme, under graduate students complete the research projects.			
** Sanctioned			

3.7 No. of books published

i) With ISBN No.

41

Chapters in Edited Books

07

ii) Without ISBN No

-

3.8 No. of University Departments receiving funds from

UGC-SAP CAS

DPE

DST-FIST

DBT Scheme / funds

3.9 For colleges Autonomy CPE DBT Scheme/Status Star
- - Yes

INSPIRE CE Any Other (specify)
- Yes -

3.10 Revenue generated through consultancy Nil

* Informal consultancy provided with returns in kind.

3.11 No. of Conferences / Seminar organized by the Institution

<i>Level</i>	<i>Department and the number of conferences</i>	<i>Sponsoring Agencies</i>
International	Hindi	01 Kendriya Hindi Santhan, B. K. Birla College and Century Rayon, Shahad 'VidyanAur Sahitya'
National	Hindi	01 Kendriya Hindi Nideshalay
	Chemistry	01 DBT Star Status
	Environmental Studies / Botany	01 DBT Star Status
	Dept. of Management Studies	01 Star College Scheme" of DBT
State	Microbiology and Zoology	01 Biosciences
College	Chemistry	01 College of Excellence
	Commerce and Accountancy	01
	Dept. Management Studies	01
	Economics, YCMOU, Management Studies	01

3.12 No. of faculty served as experts, chairpersons or resource persons

16

3.13 No. of collaborations International

03 National 01 Any others -

3.14 No. of linkages created during this year

01

3.15 Total budget for research for current year in lakhs

From funding agency

4.57 + 1.55 + 2.5*+ 0.6

From Management of University / College

4

Total

13.22

* For students research project from DBT Star College funding

** Grant utilized by student to do project work from Inspired Fellowship

3.16 No. of patents received this year

Type of Patent		Number
National	Applied	02
	Granted	02
International	Applied	-
	Granted	-
Commercialized	Applied	-
	Granted	-

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

Total	International	National	State	University	Dist	College
08	-	02	01	03	02	-

No. of faculty from the Institution who are Ph. D. 21 and students registered under
3.18 Guides

them 14 *

*Total number of students registered for the year 2017-18

No. of Ph.D. awarded by faculty from the 02
3.19 Institution

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

JRF - SRF - Project Fellows - Any other 03 (Merit Scholarship)

3.21 No. of students Participated in NSS events:

University level 100 State level

National level - International level 01

3.22 No. of students participated in NCC events:

280 80

National level 24 International level -

3.23 No. of Awards won in NSS: University level State level

National level International level

No. of Awards won in
3.24 NCC: University level State level

National level International level

3.25 No. of Extension activities organized

University forum College forum

NCC NSS Any other: DLLE / WDC / WSC / GSC

* District round of Avishkar (Dist. Thane), Community based programs by DLLE

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

1. **International Environment Day:** To create awareness in the society about the importance of plantation and environment, a cycle rally was organized and saplings were planted on account of International Environment day on 5th June 2017. The activity was conducted in association with KDMC. Mayor, KDMC and MLA, Kalyan (W) also took part in the event.
2. **'Anti Narcotic Day'** was celebrated on 20th June 2017. A lecture was delivered by the Thane division PSI on the issues related to narcotics and today's youth.
3. **International Yoga Day:** International Yoga day was celebrated by the students of Birla College on 21st June 2017. 280 NCC Cadets, 100 NSS volunteers, Three NSS program officers, forty faculty members and 5 ANO's participated in this activity.
4. **Paryavaran Jager Dindi:** In order to create awareness about Environment Paryavaran Jager Dindi was organized on the auspicious day 'AshadhiEkdeshi' rally was organized from Birla College to Vitthal Mandir Shahad. This dindi was organized in association with Century Rayon, Shahad on 4th July 2017. Century Rayon Staff, Birla School, Century School Students, Teachers and staff participated in the dindi.
5. **A Special Camp For Voter Registration** was held on 8th and 22nd July 2017 .
6. **Visit And Lecture On 'Interactive Engagement Program'** by Ms. SarogMukadam Deputy Collector, Thane Division was held on 12th July 2017
7. Meeting with Collector at Collector Office, Thane was held on 17th July 2017 for felicitation of student volunteers and Program Officers in rendering help for registration of first time voter.
8. First Year students of all the faculties, including the students of aided and none aided courses **Orientation Program** was conducted from 17th to 24th July 2017. Students were given the instructions on the various aspects of curricular, examination, co-curricular and extracurricular activities held at Birla College.
9. **Yoga Workshop** was conducted for three days from 27th July 2017 in which 68 students participated.
10. **Special Enrollment Drive For Registration Of First Time Voter** was organized from 1st July to 31st July, 2017. It was in coordination with Election Office Khadakpada, Kalyan. 2300 registration forms were submitted to the Election Office, Khadakpada, Kalyan. These were the highest number of forms submitted in Thane District. Mrs. SarogMukadam Deputy Collector, Thane Zone and Mrs. Archana Pradhan, Deputy Tahsildar, Kalyan Election Office visited and guided our students during Special Enrollment Drive in our College.
11. **'Mega Tree Plantation'** program was organized on 4th August 2017 at Adharwadi Jail Campus and Titwala (supported by Bajaj group). 250 saplings were planted.
12. Training Session on **'Waste to Compost'** by Keshav Shrusti (NGO) was organized on 9th August 2017. Dr. Jayesh Dange, Kalshekar and Parmar from Lokmanya Tilak College of Engineering were invited speakers. 90 NSS Volunteers of neighbouring college participated in the event. University District Co ordinator, NSS, University of Mumbai, Mr. Sanjay Chaudhari and Area Co-ordinator Mr. Prakash Savdekar also graced the occasion by their presence.

13. **VrukshaDindi:** As per tradition VrukshaDindi was organized on Sunday, 20th August 2017 in collaboration with, Friend of the Trees, Kalyan Branch, NSS unit of Birla College KDMC, Samajik Vanikaran Vibhag, Thane. 340 students and 5 ANO's of NCC participated in Dindi.
14. Meeting of Ms. Rupali Shaiwale and Ms. Raut from 'Prayavan Dakshata Mandal' with NSS volunteers regarding **Nirmalaya Collection** during Ganeshotsav festival was arranged on 21st August 2017. More than 100 Volunteers participated in Nirmalaya Collection and traffic regulations on Ganeshotsav Festival on 1st, 3rd, 5th, 7th and 10th day.
15. **Traffic Awareness Program** was organized on 19th Sept 2017. Mr. Amit Kale, Deputy Police Commissioner, Assistant Police Commissioner and PSI were present for the event. They enlightened the students on the topics relevant to Rules and Regulations. More than 200 students participated.
16. **Peace March:** To commemorate the birth anniversary of the great leader of nation- "Mahatma Gandhi" a 'Peace-March' was organized by NCC Naval wing in association with The Gandhian Study Centre College on 2nd Oct. 2017. 150 students along with 5 ANO's and other faculty members participated in this Peace March
17. **Blood Donation Camp:** Blood donation camp in collaboration with Topiwala Nair Hospital, Mumbai central was conducted on 9th October, 2017 at Birla College. 85 students donated 300 cc of Blood each.
18. **An Intercollegiate Workshop** on best out of waste was held on 13th October 2017 was conducted.
19. On account of Sardar Vallabhbhai Patel Birth Anniverary, **Run For Unity Program** was organized from Birla College to Kalyan railway Station on 1st Nov 2017.
20. **Driving Licensing Awareness** and registration program was organized on 8th December, 2017.
21. **7 Days Residential Camp** was organized by the NSS unit from 23rd December, 2017 to 29th December, 2017 at All Saint High School, Bhawale Village.
22. **Youth Day Rally** was organized on 11th January, 2018 in Birla College
23. **Youth Day Celebration** was organized on 12th January, 2018 in Birla College
24. **Voting Day Rally** with 138 Constituency on 25th January, 2018 was held at Khadakpada Kalyan
25. **Road Safety Programme** on Two Wheels One Life was organized on 25th January, 2018 in Birla College.
26. **No Vehicles Day** : was celebrated on 20th February, 2018 at Birla College, 20 Cadets participated in the program to request students, Staff and visitors not to bring vehicle in the College Campus.

Criterion – IV: Infrastructure and Learning Resources

4.1 Details of increase in infrastructure facilities:

Facilities	Existing	Newly created / Additions	Sources of Funds	Total
Campus area	80937.10 sq.m.	–	Government Aid+ Management	80937.10 sq. m.
Class rooms	50 Class rooms	2 Smart Class Rooms	Government Aid+ Management	2830 sq. m.
Laboratories	19 Labs 1940.41 sq. m.	-	Government Aid+ Management	19 Labs 1940.41 sq. m.
Seminar Halls	2 Seminar Halls 266.10 sq. m.	-	Government Aid+ Management	266.10 sq. m
No. of important equipments purchased (\geq 1-0 lakh) during the current year.	67 Nos.	6 Nos. (Annexure - 1)	UGC Schemes + Management	73 Nos.
Value of the equipment purchased during the year (Rs. in Lakhs)	Rs.145.89	Rs. 21.21 (Annexure - 1)	UGC Schemes + Management	Rs. 167.10
Others (Rs. In Lakhs)	Rs. 107.89	Rs. 51.11 (Annexure - II)	UGC Schemes + Management	Rs. 159.00

4.2 Computerization of administration and library

1. RFID system for students attendance (1200 RFID Cards issued in 2017 - 18)
2. Staff attendance by Bio-metric machines. Additional (7) machines purchased during 2017 -18.
3. The library software has been upgraded to web based version for web based access to library resources.
4. As compared to last year enhanced computerization has been done making office, library, laboratories, Gymkhana, etc. are almost computerized.

4.3 Library services:

(Degree College + Junior College)	Existing		Newly added 2017-18		Total	
	No.	Value	No.	Value	No.	Value
Text Books	20,146	30,89,770.00	1175	1,61,164.00	21,321	32,50,934.00
Reference Books	57,880	1,80,92,228.00	361	3,85,923.00	58,241	1,84,78,151.00
Total Books	78,026	2,11,81,998.00	1536	5,47,087.00	79,562	2,17,29,085.00
e-Books*	-	-	-	-	-	-
Journals	-	-	44	1,65,899.00	44	1,65,899.00
Newspapers	-	-	27 + 2 epaper	57,967.00	27 + 2 epaper	57,967.00
e-Journals*	-	-	-	-	-	-
Digital Database*	-	-	-	-	-	-
CD & Video	593	2,45,272.000	7	3,300	600	2,48,572.000
Others (specify)	-	-	-	-	-	-
E-Book Readers	15	2,40,000.00	15	1,73,201.00	30	4,13,201.00
Software & tools for visually challenged users	1	1,49,425.00	-	-	1	1,49,425.00

*** E-books, E-Journals are accessed through Infflibnet N-LIST and DELNET databases subscribed by the library.**

4.4 Technology up gradation (overall) (In Nos.)

	Total Computers	Computers in Labs	Internet facility in computers	Browsing Centres	Computer Centres	Computers in Office	Computers in Departments	Computers at others places
Existing	409	246	212	14	10	40	119	04
Added / Replace*	25	-	40	-	10*	02	44*	01
Total	434	246	252	14	10	42	119	05

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

1. In 2017 - 18, 25 additional Computers purchased enabling more teachers and students to access computers at different places.
2. In 2017-18, Campus is fully Wi fi enabled. As compared to last year Wi fi coverage has increased in library, class rooms, laboratories, gymkhana, exam room, etc.
3. E-books readers and E- Journals are used by lecturers and students.
4. HOD's have separate computers.
5. Lecturers use ICT enabled teaching methods whenever required. Additional three smart boards are used for lecture purposes.
6. Seminars and workshops are arranged for students and teaching / administrative staff on Networking, e-governance, cyber security, AI, etc. It has benefited more than 250 students / staff in College.

4.6 Amount spent on maintenance **in lakhs (Rs.):**

i) ICT	6.78
ii) Campus Infrastructure and facilities	52.87
iii) Equipments	3.26
iv) Others	10.93
Total:	73.84

Annexure - I

List of Machines/ Equipments procured during 2017-18

Sr. No.	Particulars	Qty	Amount (Rs.)
	<u>Laboratory Eqp. - EVS</u>		
1	Spectro photo meter (Including clearing charges by M P Clearing & Forwarding Agency pvt. Ltd.)	1	1,053,004.00
	<u>Sports Equipment</u>		
2	Wrestling Mat	1	156,800.00
	<u>Vedio Conferencing Device - UGC College of Excellence</u>		
3	Vedio conferencing device (including Installation + Licenses+Warranty)	1	403,500.00
4	Projector	1	106,095.00
5	E learning kit	2	401,812.00
			2,121,211.00

Annexure - II

List of Other Infrastructure Expenditure incurred during 2017-18

Sr. No.	Particulars	Amount (Rs.)
	<u>Furniture & Off. Eqp. - Unit I</u>	
1	Ceiling fan	19,750.00
2	Highback revolving chair	6,946.00
3	Office chair	39,725.00
4	Table	11,200.00

Sr. No.	Particulars	Amount (Rs.)
5	Door	8,921.00
6	Door	12,882.00
7	Side table with storage	27,754.00
8	Reading table with storage	43,712.00
9	Ceiling fan	4,454.00
10	Pedastal fan	9,600.00
11	Wall mounted fan	10,560.00
12	Equaguard	19,180.00
13	Equaguard	8,990.00
14	Projector	14,396.00
15	Air conditioner	162,065.00
16	Projector	85,860.00
17	Camera	65,480.00
	<u>Computer - Unit I</u>	-
18	Printer	20,060.00
19	Computer	269,040.00
20	Computer	67,850.00
21	Computer	58,410.00
	<u>Computer - UGC Community college</u>	
22	Computer	224,200.00

Annexure - II**List of Other Infrastructure Expenditure incurred during 2017-18**

Sr. No.	Particulars	Amount (Rs.)
	<u>Invertor - Unit I</u>	
23	UPS	25,960.00
24	UPS	21,000.00
	<u>Computer - B. Sc. IT</u>	
25	Laptop	93,220.00
26	Computer	1,289,150.00
27	Computer	44,840.00
	<u>Computer - Unit II</u>	
28	Printer	14,750.00
	<u>Furniture & Off. Eqp. - BMS</u>	
29	Benches	156,000.00
30	Camera	29,999.00
	<u>Furniture & Off. Eqp. - Biot</u>	
31	Benches	78,000.00
32	Wooden stool	56,850.00
	<u>Computer - Adm. & Acc. Office</u>	
33	Printer	22,420.00
34	Scanner	8,260.00
35	Computer	52,628.00
36	Computer	81,656.00
37	Printer	22,144.00
	<u>Computer - BMM</u>	
38	Laptop	62,776.00

	<u>Furniture & Off. Eqp. - Unit II</u>	
39	Felt board	9,521.00
40	Acrylic board	17,238.00
41	Amplifier	19,510.00
	<u>Furniture & Off. Eqp. - Acc. & Fin.</u>	-
42	Benches	156,000.00

Annexure - II

List of Other Infrastructure Expenditure incurred during 2017-18

Sr. No.	Particulars	Amount (Rs.)
	<u>Furniture & Off. Eqp. - B. Sc. IT</u>	-
43	Benches	52,000.00
44	Projector	61,095.00
	<u>Laboratory Eqp. - Unit I</u>	-
45	Ridburg constant Apparatus	11,800.00
46	Hydrogen Discharge tube	1,180.00
47	Digital Colorimeter	27,754.00
48	Digital Phmeter	11,328.00
49	Digital Conductivity meter	8,496.00
50	Analog Oscilloscope	67,260.00
51	Analog Oscilloscope	13,452.00
52	Analog Oscilloscope	8,968.00
	<u>Sports Equipment</u>	
53	Wrestling Cover	39,200.00
	<u>E-Books - UGC College of Excellence</u>	
54	Kindle	31,099.00
55	Kindle	

		26,900.00
56	Kindle	28,205.00
	<u>Invertor - UGC XII Plan UG</u>	
57	UPS	103,840.00
58	Writing pad chair	22,446.00
	<u>Biometer</u>	
59	Attendance system (including installation)	87,195.00
	<u>Musical Instrument</u>	
60	Keyboard	11,500.00
61	Digital Drum	22,000.00
62	Tabla Dagga set	6,750.00
63	Keyboard stand	900.00
64	Drum set	24,000.00
	<u>Garden Equipment</u>	
65	Weed cutter	10,900.00

Annexure - II

List of Other Infrastructure Expenditure incurred during 2017-18

Sr. No.	Particulars	Amount (Rs.)
	<u>RFID Handheld reader</u>	
66	RFID Handheld reader	205,320.00
	<u>Furniture & Off. Eqp. - UGC XII Plan UG</u>	
67	LED TV	73,650.00
68	Air Conditioner	46,500.00
69	Air Conditioner	53,300.00

	<u>Laboratory Eqp. - Unit I</u>	
70	Digital multimeter	11,045.00
71	Ph meter	9,027.00
72	Galvometer	8,496.00
73	Fiber optic kit	16,128.00
74	Travelling microscope motions	9,792.00
	<u>Laboratory Eqp. - DMLT</u>	
75	Wheel chair fighter mag	4,410.00
	<u>Computer - UGC College of Excellence</u>	
76	Printer	22,144.00
77	Computer	216,530.00
	<u>Computer - UGC XII Plan UG</u>	
78	Computer	303,142.00
		5,110,709.00

Criterion – V : Student Support and Progression

5.1 Contribution of IQAC in enhancing awareness about Student Support Services

- Induction program was organized for F.Y. students to make them aware of the various activities conducted in the college by various departments and UGC sponsored centers in the college. Students were also introduced to the various aspects of the examination system by the Examination Committee. College website, Facebook page, Magazine, Newsletter, and TV Display also helps students in knowing the extra-curricular and co-curricular activities, seminars, workshops conducted throughout the year in the college.
- Lot of emphasis is given on attendance of the student by every department. Regular Parents-Teachers meeting, periodic counselling of the students and personal guidance has helped in improving the attendance of the students.
- To honor the academic excellence achieved by the students Annual Academic Prize Distribution Ceremony was conducted. Shri O. R. Chitlangeji, Business Head, Century Rayon, Managing Director, Century Enka Ltd. and Chairman, Birla College Governing Council was the Chief Guest who felicitated more than 80 students by distributing certificates and cash prizes to the rankers. Endowment prizes were also given to the students. Cake cutting at the hands of rankers also boosted the morale of the students.
- Degree Distribution Ceremony was organized by College to felicitate graduates and post graduates similar to University level convocation ceremony. Shri O. R. Chitlangeji, Business Head, Century Rayon, Managing Director, Century Enka Ltd. and Chairman, Birla College Governing Council was the Chief Guest. He applauded the achievements of the students and encouraged them to become responsible citizens.
- Student Encouragement Awards (SEA) was also conducted by Dept of Management Studies to motivate the best performing students in various fields.

5.2 Efforts made by the institution for tracking the progression

For overall personality grooming and development of the student college conducted various confidence building workshops and seminars. Special Lecture on "Interview Techniques" was conducted by Dr.Ravindra Shisve (IPS) which was very well received by the students.

A special Seminar on Preparation of NET, SET Exam for career building in higher education was also conducted.

5.3 (a) Total Number of

UG	PG	Ph. D.	Total
5572	888	26	6486

 students

(b) No. of students outside the state

35

(c) No. of international students

0

No	%
2347	

Men

No	%
4139	

Women

Last Year						This Year					
General	SC	ST	OBC	Physicall y Challeng ed	Total	Genera l	SC	ST	OB C	Physicall y Challeng ed	Total (Aided + Unaide d)
3272	70 9	321	1378	04	5684	3884	86 9	54 6	1187	0	6486

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

- UGC sponsored Centre for entry into Services for SC / ST / OBC provides training to the students for Civil Services Examination by organizing lectures in various subjects. Guidance sessions on UPSC, MPSC, Banking, Insurance, Staff Selection Commission and Railway Recruitment, etc., are organized in the college.
- The UGC sponsored NET / SET Coaching Scheme for SC / ST provides guidance to the interested post graduate students. All PG departments (Botany, Chemistry, Physics, Microbiology, Zoology and Hindi) conducted a lecture series for PG students by inviting the subject experts from reputed institute. Students were provided information about the syllabus and sample question papers.

No. of students beneficiaries

115

5.5 No. of students qualified in these examinations

NET SET/SLE GA

IAS/IPS/IRS etc State PSC UPSC Other

5.6 Details of student counselling and career guidance

Following activities were conducted:

- One Day Workshop on Interpersonal Relationships was conducted on 27th March 2018 which guided the students about maintaining healthy relations in today's world.
- Orientation to students was done by IQAC to explain the importance of 5cs i.e. Career, Communication Skills, Confidence Building, Computer Literacy and Continuous efforts.
- A series of confidence building workshops were organized in November and December, 2016 for FY students from all streams.
- Pre Marriage Counselling workshop was conducted on 3rd February, 2017. Dr. (Mrs.) Varsha Phadke conducted workshop on 'Know your body for girls'. Mrs. Prachi Apte conducted session on 'Maintaining healthy relationships'.
- Success in Examinations session was conducted by Ms. Sheetal Chitre on 27th January, 2017 for FYBA and by Mrs. Prachi Apte on 15th March, 2017 for TYBA Students.

No. of students benefitted

2186

5.7 Details of campus placement

<i>On campus</i>			<i>Off Campus</i>
Number of Organizations Visited	Number of Students Participated	Number of Students Placed	Number of Students Placed
13	460	307	85

5.8 Details of gender sensitization programmes

- As more than 60% of the students are girls, Birla College takes special security measures such as 24-hour Security Surveillance via CCTV Cameras.
- UGC Sponsored Women's Studies Centre and Women Development Cell conduct activities throughout the academic year keeping in mind the objective: to be a catalyst for active promotion of women's learning through sustained engagements, superior understanding of needs and knowledge sharing with a feminist perspective.
- Special programmes conducted on Gender Sensitization are
 - Pre Marriage Counselling workshops
 - Other different activities conducted were Yoga Workshop, 'PCOS Awareness & Education Program', Diya Painting and Acrylic Rangoli Workshop, Intercollegiate Best Out of Waste Competition
 - Lectures were conducted on Women's Safety and Security and Laws for Women, Legal Awareness Workshop for girl students
- Apart from this, Women Development Cell and UGC Sponsored Women Studies Centre conduct various other activities like Women Empowerment Programmes and Learn and Earn Scheme Based Programmes. WDC also organized workshops on Self-Defense, Creative Skills Development, Yoga and Dance and various Exhibitions. College also has Grievance Redressal Cell which addresses any student problem that may arise.

5.9 Students Activities

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

State/ University level National level International level
(Open tournament)

No. of students participated in cultural events

State/ University level National level International level

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

Sports: State/University level National level International level

Cultural: State / University level National level International level

5.10 Scholarships and Financial Support

	Number of students	Amount (Rs.)
Financial support from institution	107	53180.00
Financial support from government	945	11408313.00
Financial support from other sources	-	-
Number of students who received International/ National recognitions	03 (INSPIRE) DST	1,80,000

5.11 Student organised / initiatives

Fairs : State/ University level National level International level

Exhibition: State / University level National level International level

5.12 No. of social initiatives undertaken by the students

5.13 Major grievances of students (if any) redressed:

No major grievances were reported.
 However, minor complaints regarding uniform and seating arrangements in the girl's common room were reported. Those were attended immediately.

Criterion – VI : Governance, Leadership and Management

6.1 State the Vision and Mission of the institution

We aspire to be a premier institution of higher education, an inspiring Nodal Center, catering to the diverse needs of student-fraternity, providing them state-of-the-art facilities and a stimulating teaching-learning environment, to groom them into socially responsible, excellent human resource.

MISSION STATEMENT

To enable students to develop as intellectually-alive, socially-responsible citizens, ever-ready for continuous personal and professional growth

6.2 Does the Institution has a management Information System

Partially

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

6.3.1 Curriculum Development

Contribution by Faculty members in curriculum developments as follows:

- Member of Board of studies : 01
- Department of Chemistry organized a workshop on ‘S.Y.B.Sc. Revised Syllabus’ jointly with Board of Studies, University of Mumbai on 14th June 2017

6.3.2 Teaching and Learning

- Use of Models, Charts, Maps, etc.
 - Extensive use of ICT : Use of Smart Classroom / Virtual Laboratory
 - Power Point Presentations by students on various topics from curriculum
 - Innovative Inter- departmental, Inter-disciplinary practical and projects
 - Hands-on training of various laboratory equipments
 - Manuals prepared by students
 - Specially designed skill experiments in Physics
 - Involvement of students in small Research Projects and Research Project Presentation
 - Visits to research Institutes and Industries
 - Lecture series by Academicians, Eminent Scientists and Industry Personnel.
 - Development of E-learning resource
 - Flip Classroom mode
- i. An **Orientation Programme** was organised for the First year undergraduate students from 18-24 July, 2017. The programme was aimed at facilitating the smooth transition of students from junior college to under- graduate studies at Birla College. The main objective was to give an overall idea about the programs, courses offered and curricular and co-curricular activities organised at Birla College. They were also acquainted with the examination pattern and grading system.

- ii. A one day **Workshop on ‘Goods and Services Tax’** was organized by departments of Commerce and Accountancy on 27th September 2017. Shri C. Dhansekaran (IRS), Commissioner, GST (Thane Rural) and Shri P. C. Chate, Deputy Commissioner, GST, CA Yogesh Shah, Vice President (Finance), Century Rayon were the eminent resource persons.
- iii. A mega-event **Pravah 2017-2018**, an inter-collegiate science festival, was organized on 5-6th December, 2017, under DBT-Star Status. It was sponsored by Century Rayon, Kalyan. The theme was ‘Energy: Use Unconventionally, Save Efficiently’. The chief guest was Padmavibhushan Dr. Anil Kakodkar, Nuclear Scientist, who inaugurated the event. Multiple activities were conducted under this banner:
- iv. Department of Maths organized **‘Fun In Maths’**, an inter-collegiate Science Exhibition on 6th December 2017. The objective was to create an interest in the subject of Maths among students, highlight the role of Maths in our practical life and to motivate students to pursue Maths at higher level. Thirty-seven groups of students participated with innovative and creative ideas in competitions like Elliptic Curve in Cryptography, Magic Square, Trigonometry Ratio Indicator, Basics of Geometry, Geometrical Shapes by Magnet, Monty Hall Problem, Mystery of Fibonacci Numbers, Rubik’s Cube, Jyotish Shastra, Pythagoras Theorem and Use of Maths in Video making. Dr. Revathy Sundararajan, Don Bosco Institute of Technology, Vidyavihar and Asha Chugh, CHM College, Ulhasnagar, were the judges of the event.
- v. Department of Chemistry conducted an inter-collegiate **Poster Competition**. It was coordinated by Dr. B.V. Pathare. 110 students and teachers participated from various schools and colleges.
- vi. **Science Exhibition** was organized on the theme ‘Green Energy’ for college and school students on 5th December, 2017.
- vii. One-day **national seminar** on ‘Emerging Trends in Laboratory Medicine’ organized by department of Microbiology and School of Paramedical Sciences on 14th January, 2018.
- viii. A half-day workshop on **‘Intricacies of Autonomy’** was organized to acquaint the teachers about the process of Autonomy on 14th February, 2018. Invited guest-speakers were Dr. Vijay Joshi, Principal, K. J. Somaiya College of Science and Commerce, Mumbai and Dr. Baptist Agnel Menezes, Principal, St. Xavier’s College, Mumbai. Besides other suggestions, the stress was also on the need to incorporate technology into teaching for improved pedagogy.
- ix. Public Meeting on Union **Budget- 2018**, was organized by Birla College, Kalyan, jointly with Kalyan Chartered Accountants Study Circle, Kalyan; Tax Practitioners’ Association, Kalyan; Rotaract Club and Birla College Alumni Association, on 3rd February 2018, to decode the intricacies of the Union Budget for the students of the college.
- x. **‘Lang-Lit’** an inter-collegiate linguistic and literary contest, was conducted by the department of English and UGC- Sponsored ‘Centre for Foreign Languages’ on 05 - 06th January 2018, to provide a forum to the English and Foreign language learners. The

objective was to enhance the deteriorating standards of English language and to develop a competitive spirit amongst students.

- xii. An '**Awareness Programme and Workshop on Japanese Language and Culture**' was organized by the department of English and UGC- Sponsored 'Centre for Foreign Languages' on 1st August 2018. The objective was to create awareness about the importance of foreign languages in the modern times especially Japanese and how it increases the educational and career opportunities of students.
- xiii. An '**Orientation Course on Chinese (Mandarin) language**' was conducted by the department of English and UGC-sponsored 'Centre for Foreign Languages on 22nd January 2018, to develop their interest in this language which is the most widely spoken language in the world.
- xiv. '**No-Vehicle Day**' was observed on 20th January 2018, to save environment for pollution emanating out of vehicles. No vehicles were allowed on the campus that day and people were encouraged to use public transport.
- xv. IQAC organized a Workshop on '**Students' Support and Progression**' on 27th February, 2018
- xvi. Department of Chemistry organized a workshop on '**S.Y.B.Sc. Revised Syllabus**' jointly with Board of Studies, University of Mumbai on 14th June 2017. Dr. A.V. Karnik, Chairman, Board of Studies in Chemistry, University of Mumbai, presided over the function. About 85 faculty members from various colleges attended the workshop. This workshop was aimed to enhance the effectiveness in Teaching the Revised Syllabus.
- xvii. Department of Chemistry conducted a National conference on '**Advanced Analytical Tools for materials characterization**' on 28th February 2018. The main aim of this conference was to provide timely forum for the exchange and dissemination of new ideas and techniques among the researchers in the field of manufacturing and analysis of novel materials.
- xviii. Department of Zoology organized a one Day Workshop on '**Aquarium -making and Rearing of Ornamental Fish**' on 25th September 2017, to promote entrepreneurship skills among students.
- xix. Centre for Epigraphy under CE of UGC organized a 10-day Certificate Course on '**Spoken Sanskrit**' was organized in collaboration with Sanskrit Bharti.
- xx. UGC-sponsored Women |Studies Centre and Women Development Centre invited a renowned pad-woman, Mrs. Swati Bedekar, Secretary, Vatsalya Foundation and Founder of Sakshi Enterprise, Gujarat, on 8th March, 2018, for delivering lecture on women-related issues, on the occasion of International Women's Day .
- xxi. Department of Botany organized a 1- day Seminar on '**Biosciences: A Journey towards Innovation**' on 10th March 2018, in association with Department of Environmental Science, Department of Biotechnology, Bioanalytical Science, Department of Zoology and Micro Biology.

- xxi. Central Library organized a 1- day Workshop on ‘**Library and Information Science Profession in the Digital Era: Changing trends, Challenges and Opportunities**’, on 24th March 2018.
- xxii. Centre for Yoga and Philosophy conducted a Short Term Course on ‘**Yoga Practices**’ from date 21- 28th February 2018.

6.3.3 Examination and Evaluation

- The College has Credit Based Grading Semester System and Semester III - IV examinations at undergraduate level are conducted by College as per the University Guidelines.
- Semester I, II, V-VI examinations at Undergraduate Level and Semester I-IV examinations at Post Graduate Level are conducted on behalf of University of Mumbai.
- University answer books are having Bar coding
- Online Screen Marking (OSM) has been introduced last year by University of Mumbai for all UG and PG examination conducted by University. M. Sc. Computer Science Lab (20 Computers), M.Sc. Information Technology Lab (15 Computers) and Bifocal Computer Lab (30 Computers) are used for online assessment of University Papers.
- Moderation and Revaluation of answer books is possible.
- Photocopy of answer books are provided to students on demand

6.3.4 Research and Development

Research is an integral part of teaching. 22 of our faculty members are Ph.D. Guides. Many are working on research projects and have published a number of research papers in national and international journals.

During 2017 - 18, our students have received award for Best Research Paper at XXV International Economics Convention, a prestigious Research Based Competition.

Research Achievements

The College believes that research is an integral part of teaching. Several initiatives are taken for sensitizing / promoting research culture. Faculty members are encouraged to participate and organize research meets / workshops / seminars / conferences and present research papers and publish in reputed journals. For this necessary help and guidance is provided to the faculty members by the college and management. There are 09 research centers and 22 research guides in the college. So far 59 students have been awarded Ph. D. Degree under the guidance of this research guides in different subjects.

Dr. Swapna Samel and Dr. Suvarna Jadhav (Dept. of History), Mr. Kiran Raikar (Librarian), Mrs. Vandana Gupta (Dept. of Environmental Science) have been sanctioned minor research projects by University of Mumbai recently.

List of Major Research Projects

Name of Investigator	Title of project	Funding Agency and Amount sanctioned	Year
PI- Dr. Sandesh Jaybhaye	(Consultancy) Zno nanoparticles for textiles	Sanctioned by Century Rayon, Shahad. Rs 4.57 lakh	2017-18

List of Minor Research Projects

Name of Investigators	Title of project	Funding Agency and Amount Sanctioned	Year
Dr. Swapna Samel	Religious Symbolism: Scientific and Socio-Cultural Significance in India [With Special Reference to The Twin Cities: Kalyan-Dombivli]	University of Mumbai Rs. 50,000/-	2017-18
Dr. Suvarna Jadhav	Aftermath of the Mahad Satyagrah – 1937 to 1956	University of Mumbai Rs 45,000/-	2017-18
Mr. Kiran Raikar	Community outreach activities and services in Libraries: A Comparative study of selected libraries in Thane district.	University of Mumbai Rs 30,000/-	2017-18
Ms. Vandana Gupta	Biological synthesis and characterization of metal nanoparticles using few organic solid wastes	University of Mumbai Rs 30,000/-	2017-18

6.3.5 Library, ICT and physical infrastructure / instrumentation

Library of the college is well equipped with learning resources like books, journals, e- Resources, CDs, etc. the facility is also extended to the public for referencing at nominal fees. Online Databases – INFLIBNET is available for the staff and students to access the large collection of journals and other resource materials for referencing and literature review.

Central Library			
(i) Total Area	6165.48 Sq. ft.		
(ii) Details about books, titles, Journals			
Total Titles	41078		
Total Volumes	76790		
Titles	Arts	Science	Commerce
	18446	15684	06948
Volume	28717	30383	17690
National Journals	34		
International Journal	35		
CDs	1200		
E-journals	6000 + (we can access it through inflibnet)		

ICT-

1. RFID System for student's attendance.
2. Campus is made Wi Fi enabled partially. As compared to last year Wi Fi coverage has increased in library and class rooms.
3. E- books readers and E-Journals are used by lecturers and students.
4. HOD's have separate computers.
5. Lecturers use ICT enabled teaching methods whenever required. Additional three smart boards are used for lecture purposes.

Infrastructure-

1. 2 Smart Class rooms have been developed and utilised.
2. As 60% of the student body comprises of girls, Birla College takes special security measures such as 24-hour Security Surveillance via CCTV Cameras.

6.3.6. Human Resource Management

1	No. of teachers available (Professor, Associate Professor, Assistant Professors , other															
		Professor			Asso. Professor			Asst. Professor			Others					
	(i) Regular	Nil			19			36			-					
	(Non Aided)	-			-			29								
	(ii) Ad-hoc	-			-			09								
	(iii) Contractual							-								
	(iv) Guest faculty							-			42					
(v) Visiting faculty							89									
(vi) Non- Teaching Staff	-			-			-			83						
2	Qualification of faculty															
	Category		No. of Ph.D			No. of M.Phil			Other			Total				
	Aided		32			13			D.Sc. : 01			46				
	Non-aided		06			-						06				
	Total		38			13			01			52				
	NET / SET / GATE*		40													

3. The Faculty members due for placements under CAS were informed about the procedure and encouraged to submit the duly-filled forms on time.

4. The expertise of faculty members is utilised by availing in their services in the capacity of Director/ Head/ In-Charge / Members of Various Centre/ Committes like Examination , Centre for Epigraphy, Faculty Enrichment Programmes, IQAC, DBT Star College Scheme, Centre for Foreign Languages, NCC, NSS, Women Development Cell, Gandhian Studies Centre, Dr. Ambedkar Studies Centre, Centre for Yoga, Philosophy and Practices, Etc.

6.3.7 Faculty and Staff recruitment

09 faculty members are appointed on ad-hoc basis

6.3.8 Industry Interaction / Collaboration

1. Several Training Sessions on group Discussion and Personal Interview are conducted by Industry Experts.
2. Third Year students of Bachelor of Management Studies, B.Com (Banking & Insurance) and B. Com (Financial Management) and PG students prepare project report by collecting primary data from the industry.
3. We also arrange guest lectures of eminent personalities from industry.
4. Few Faculty members also undertake industrial project.

No. of Students Shortlisted from Commerce/Arts/Science (2017 - 18)

Sr. No.	Company Name	No. of Students Shortlisted
1	WNS	26
2	e-Clerx	41
3	Hexaware BPS	42
4	Hinduja Global Solutions	11
5	Raymonds	03
6	Shy-So	06
7	Kedia Capital	14
8	IFBI	20
9	Paper boat (internship)	74
10	Cap Gemini	58
11	Centum Accuro Global Solutions	06
12	Synergy Technocrats	06
13	Infosys	02
14	Tata Consultancy Services	05
15	Post graduate students got placed in various companies through off campus	78
	Total	392

6.3.9 Admission of Students

1. Admissions are granted on merit basis as per Government / University rules. Reservation Policy (State Policy) is followed.
2. Admission committees are made for each class.
3. Proper timetable for admission is made, displayed and followed.

6.4 Welfare schemes for

Teaching and Non teaching staff	<ol style="list-style-type: none">1. Birla College Employees Cooperative Credit Society is an 'A' grade credit society.2. Management has decided to create 'Employee Benevolent Fund' from 2015 – 16. The fund will be available for treatment of terminal diseases like cancer, etc.3. A sum of Rs. 3.0 lakhs per year will be available by the management for higher education of children of permanent staff members. (Maximum limit of Rs. 50,000/- for first two children).
Students	<ol style="list-style-type: none">1. All the Government Scholarship and Freeship Schemes are implemented.2. The College also offers fee concessions and allows payment of fees in instalments for needy and deserving students under Student Aid Fund.3. Fund of Rs. 1.00 lakh per year from Kalyan Charity Trust for payment of fee to poor and needy students has been marked.

6.5 Total corpus fund generated

1. Birla College Employees Cooperative Credit Society Rs.31,68,400
2. Employee Benevolent Fund Rs.8,42,523
3. Higher Education Fund Rs.3,00,000

6.6 Whether annual financial audit has been done

Yes

6.7 Whether Academic and Administrative Audit (AAA) has been done?

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic	√	1. ISO-TUV NORD	√	Internal Auditors trained by ISO-TUV NORD
Administrative	√	1. ISO-TUV NORD	√	Internal Auditors trained by ISO-TUV NORD

6.8. Does the University/ Autonomous College declare results within 30 days?

For UG Programmes	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>
For PG Programmes	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>

* Third Year Degree and Post Graduates results are declared by University. Some of the examinations results are declared within 30 days.

6.9 What efforts are made by the University/ Autonomous College for Examination Reforms?

1. Room No. 112 is being utilised as **Examination and CAP centre**. It is equipped with CCTV cameras, computers and printers.
2. The University sends the question papers online to avoid malpractice. The College has provision for downloading the question papers and for printing the same.
3. The College is also CAP centre for T.Y.B.Com, T. Y. B.M.S., T.Y. B.com (A & F), T.Y. B.Com (B & I), T.Y.B.Com (Financial Management), M.A. and M.Com examinations for the cluster colleges.
4. Online submission of examination forms, generation of hall tickets and results declaration by the University.

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

The University conducts guidance sessions for the Colleges to encourage them to apply for autonomy.

6.11 Activities and support from the Alumni Association

1. The Alumni Association conducted a public meeting on Union Budget in the College on 26th January 2018
2. Each department conducts alumni meet periodically.

6.12 Activities and support from the Parent – Teacher Association

- The Parents-Teachers meetings are organised every semester and the parents are involved in decisions regarding intensive and remedial coaching.
- Attendance of students is monitored and parents are updated on a monthly basis.

6.13 Development programmes for support staff

Training programmes, meetings and group discussions were organized to enhance the efficiency of office administration.

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

Date	Activity
19-May-17	Workshop on ‘Vermicomposting and Biocomposting’ under Summer School
5-Jun-17	Celebrated World Environment Day by Tree plantation Activities
5-Jun-17	Environment Day Celebration organized Cycle Rally and Human Chain Formation jointly with NCC, Center for Yoga & Philosophy and Gymkhana
5-Jun-17	Display of books on environmental issues
5-Jun-17	World Environment day
20-Jun-17	Anti narcotic drug
23-Jun-17	Planning Session
1-Jul-17	Special Enrollment Drive for Registration
2-Jul-17	Greening Maharashtra: Initiative by Government of Maharashtra to plant maximum trees in a day.
4-Jul-17	Paryavaran Jager Dindi
4-Jul-17	Vriksh Dindi (Dyan Dindi) Mega Tree Plantation

Date	Activity
2-Aug-17	Participation in Tree Plantation and Tree Procession: The students from Dept. of Economics participated in Vriksha Dindi (Tree Procession) organized by Birla College on 02 nd August, 2017.
4-Aug-17	Mega Tree Plantation
9-Aug-17	Waste to Compost'
11-Aug-17	Workshop on Drinking Water Quality Analysis
20-Aug-17	Vruksha Dindi
20-Aug-17	Community Service: Vriksh Dindi
21-Aug-17	Nirmalaya Collection During Ganeshotsav Festival
25-Aug-17	Ecofriendly Ganesh Festival Celebration:25th – 26th August, 2017
8-Sep-17	Community Service: Saaf Safai Phase 1 and 2
15-Sep-17	Swachhata Abhiyan (Wadeghar Village)
18-Sep-17	Workshop on Bonsai Making under 'Star Status' F.Y.B.Sc. & S.Y.B.Sc. Students
22-Sep-17	Workshop on 'Paper Bag Making' under Science Association
29-Sep-17	Paper bag making workshop
9-Oct-17	Special lecture on Bottle Garden for S.Y.B.Sc. Students
12-Oct-17	Workshop on 'Solid Waste Management' by Padmashri Dr. S. P. Kale
27-Oct-17	Swachhata Abhiyaan
25-Nov-17	Special Guest Lecture by Mr. Vikas Rastogi, IAS on the topic Sustainable Agriculture
1-Dec-17	Visit to Rose Garden (Visava Resort) to study cultivation practices of Roses for T.Y.B.Sc and M.Sc. students
13-Dec-17	Intercollegiate competition named 'Best out of Waste'

Date	Activity
21-Dec-17	Department of Management Studies with Rotaract Club of Birla College conducted a cleanliness drive in college with an aim to create awareness about the need for clean surroundings
8-Jan-18	Workshop on Bottle Garden designing for S.Y. B.Sc. Students
10-Jan-18	Workshop on Ikebana (Flower Arrangement) by Dr. Meghna Mhaskar.10th&16thJanuary
20-Jan-18	'Rose Show' with Department of Botany, Bioanalytical Sciences and Environmental Science and Department of Biotechnology on 20th and 21st January, 2018
31-Jan-18	Entrepreneurship Development : E-Quiz
20-Feb-18	No Vehicle Day
26-Feb-18	Conducted a Bottle Garden Designing Workshop at Birla School
10-Mar-18	One day Seminar on Biosciences: A journey towards Innovation in association with Department of Environmental science, Department of Biotechnology, Bioanalytical science, Department of Zoology and Micro Biology
10-Mar-18	Swachhata Abhiyan in assocataion with DMS dept.
15-Mar-18	Dr Chandrakant Shiwale – Awareness about 'Harmful effects of Tobacco and Smoking'.
20-Mar-18	Workshop on Mushroom Cultivation and Hands-on Training by Dr. Lalsahab Yadav and Dr. Darshana Patil

Criterion – VII: Innovations and Best Practices

7.1 Innovations introduced during this academic year which have created a positive impact on the functioning of the institution. Give details.

Sr. No.	Events /Activities
1.	Summer camp on yoga and fitness jointly organized with Gymkhana from 15 th May to 1 st June 2017. 45- students with 3 faculty actively participated in the Camp.
2.	Workshop on ‘Vermicomposting and Biocomposting’ under Summer School on 19 th May 2017.
3.	Celebration of International Yoga Day and Poster Competition on Yoga jointly organized with NCC, NSS, Gymkhana, on 21 st June 2017. Around 2000 students had participated and were benefited.
4.	10 days Summer Camp on “Computer - Literacy” conducted by Mr. Vinod Rajput(HOD Computer Science) from 17 th May to 27 th June, 2017
5.	Parent - Teacher meeting of defaulter students was called on 16 th August, 2017. Parents were informed about the importance of attendance and were also shown the attendance record of their ward.
6.	Study Tour to Sanjay Gandhi National Park on 16 th August 2017.
7.	Celebration of <i>Vruksha Dindi</i> on 20 th August 2017, Various schools, colleges participated in the <i>Dindi</i> by planting samplings in college premises. Volunteers have distributed samplings to nearby societies. More than 1000 students participated and made the <i>Dindi</i> successful.
8.	Seminar on 'Photoshop' software was conducted on 1 st September 2017, for students to teach them the images editing and giving it a bright look by Avani Kothari, Masters in Animation.
9.	Organised ‘ <i>Science Open Day</i> ’ for School children to increase the interest towards ‘Science’ on 23 rd September 2017.
10.	One Day Workshop on ‘Goods and Services Tax’ was conducted on 27 th September, 2017 to provide information about GST Act. Shri C. Dhansekaran (IRS) Commissioner, GST (Thane Rural), Shri P. C. Chate, Deputy Commissioner, GST, and CA Yogesh Shah, Vice President (Finance), Century Rayon were the eminent resource persons.

11.	Celebrated “ <i>Gata Rahe Mera Dil</i> ”, a cultural show on the occasion of ‘ <i>Kojagiri Pournima</i> ’ on 10 th October 2017.
12.	Workshop on ‘Solid Waste Management’ by Padmashri Dr. S. P. Kale was organised on 12 th October 2017.
13.	Celebration of Reader’s day: Display of books on account of APJ Kalam’s Birth day on 15 th October 2017.
14.	Training of Library staff on new Web based version of LIBSYS Library management software from 24 th October 2017 to 30 th October 2017.
15.	‘Lang-Lit’, an inter-collegiate linguistic and literary contest, was conducted by the Department of English and UGC- Sponsored ‘Centre for Foreign Languages’ on 05 - 06 January 2018, to provide a forum to the English and Foreign language learners. The objective was to enhance the deteriorating standards of English language and to develop a competitive spirit amongst students.
16.	On 4 th January 2018, ‘Pan Card Drive’ by the students of M- Com. (E-Commerce) was organised for the students of our college on account of E-Commerce day
17.	Half day workshop on Indian dance forms for students from New York University, USA on 15 th January 2018
18.	‘Rose Show’ was jointly organized by Department of Botany, Bioanalytical Sciences and Environmental Science, Department of Biotechnology B. K. Birla College Kalyan and Inner Wheel Club of Kalyan on 20 th and 21 st January 2018. The show was inaugurated by Mrs. Santosh ji Chitlange, President of Cenray Mahila Pragati, Shahad. More than 3000 roses of 300 varieties were on the display.
19.	A ten days Certificate Course on ‘Spoken Sanskrit’ was organized in collaboration with Sanskrit Bharti from 7 th February to 16 th February, 2018. Around 85 participants and few faculty members actively participated in the course.
20.	Public meeting on Union Budget 2018 was held on 3 rd February, 2018. CA C. D. Phadke, Vice Principal delivered speech on Union Budget. CA Madan Achwal, Advocate Manohar Palan, Shri Anand Dhamadhikari expressed their thoughts on budget.
21.	Arranged Live "Telecast of <i>Pariksha Pe Charcha</i> " by Prime Minister on 16 th February 2018
22.	Celebrated No Vehicle Day on 20 th February 2018.
23.	On 1 st and 3 rd March, 2018 Basic Health Check-up Camp on haemoglobin level, BMI, Random Blood sugar, BP and lung capacity was conducted.

24.	Bike and Cycle Rally for Girls and Women for Women Empowerment was conducted on 10 th March 2018
25.	Workshop on Mushroom Cultivation and Hands-on Training on 20 th March 2018
26.	One day seminar on ‘Lakshya’: Challenges and opportunities in transportation and traffic management’ on 11th May 2018. Mr. Govind Bodke (IAS) expressed the spirit of high enthusiasm in the mission amidst of challenges as to traffic, cleanliness, water supply, etc. in the Kalyan City. Shri Pramod Kulkarni was the guest of honour and assured to provide his 34 years of experience in city development for the knowledge of students.
27.	‘Brain Storm Corner’ activity wherein puzzles related to mathematical logics are displayed every week to enhance the logical thinking of the students.

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

	<i>Proposed Activities</i>	<i>Action Taken</i>
Teaching	Certificate course on GST	Started a Certificate Course on GST for commerce students. It was inaugurated by Former Principal Commissioner of Indirect Taxes Shri Subhash Varshneya (IRS).
	Induction program for the Students/ New Faculty	Organised Orientation Program for First Year UG students (18th – 24th July, 2017)
	Career Guidance for students	<ul style="list-style-type: none"> • Organised Counselling related to deciding Career path by Placement Incharge on 1st August 2017. • Career guidance seminar for TY students.. by INDIYA group, on 16th January 2017. • Organised Workshop on ‘Students Support and Progression’ 27th February, 2018

	<i>Proposed Activities</i>	<i>Action Taken</i>
	To organize a National Seminar on 'New guidelines of NAAC accreditation'	Organised One day workshop on "Revised Accreditation Framework: New Guidelines from NAAC", 18th December 2017
	Mass screening of students at entry point to identify / nurture the artistic talents of the students	Arts Circle screened the First year BA, B.Sc, and B.Com students for various talents
	Develop more International and National Linkages with institutes/Universities/Industries	On 4/4/2018 one more MoU with University of West Georgia was signed.
Examination	To organize faculty training/enrichment program	Organised a Workshop on 'Evaluation' by Dr. Geeta Shetty on 11 th April 2018. Competency Mapping for 20 teachers for duration of six months has been arranged.
Research	To increase the number of Research projects/Consultancy	Four Minor Research Projects are Sanctioned from University of Mumbai One Consultancy from Century Rayon Shahad.
Extension	To organize CAS interviews - faculty	Promotion Interviews of eight faculty members were successfully conducted on 22 nd December 2017, under CAS of University of Mumbai
	To apply to DBT for funding for Star College Scheme for five new departments	Three Departments (Mathematics, Information Technology and Computer Science) received Star College Scheme from DBT, Govt. of India, New Delhi.
	To conduct skill development workshop for students/faculty/staff	Each Department has conducted skill development program for UG students. 33 workshops were conducted during the year for skill development of students.
	To make Alumni Association active- through advertisement/	<ul style="list-style-type: none"> • 50 Alumni has been registered one time in the existing Alumni Association.

	<i>Proposed Activities</i>	<i>Action Taken</i>
	face book etc	<ul style="list-style-type: none"> • Regular Alumni meet was conducted on Republic day.
	To enhance Campus Placement	<ul style="list-style-type: none"> • Placement drive by Hexaware Bps, Hinduja Global Solutions. On 30th November 2017 • Workshop on resume building and GD, PI techniques. By HR students of BMS on 18th December 2017. • Placement drive on e-Clerks(24th Jan 2018), WNS (25th Jan 2018), Raymonds Ltd(15th Jan 2018), IFBI(7th Jan 2018) • Placement drive by Centum Accuro Global solutions(20th Mar 2018), Synergy Technocrats (22th Mar 2018) • ‘CAPGEMINI’ company has visited first time to campus. 27 students from B. K. Birla college has been placed. Outside college student are also allowed to attend the campus. In all 79 students has been placed in ‘CAPGEMINI’

7.3 Give two Best Practices of the institution?

- i) Goal: To develop skills of the students through skill based activities for enhancing their entrepreneurial abilities and employability.

The Content

Content:

Apart from achieving excellence in academics, the hidden skills and talents of students need to be captured/monitored and enhanced further. It becomes very essential to prepare the students to sustain the ever evolving job and entrepreneur market. An effort was made by various departments to provide students with facilities by introducing them to the skill based workshops and activities thus developing them into intellectually and enhancing their entrepreneurial abilities and employability

Practice:

The following workshops and activities were carried out to motivate the students to enhance their skills at various levels.

- A Workshop on ‘Vermicomposting and Biocomposting’ under Summer School was conducted by Department of Environmental Sciences on 19th May 2017. In this workshop the process of preparing vermicompost and biocompost from domestic solid waste was demonstrated to the 20 participants from schools and various colleges.
- A Workshop on ‘Yoga for girls’ was conducted by Women Development Cell and Women’s study centre on 27th July 2017. 40 girls were taught few asanas for being stress free and female well being by Yoga Guru Mrs. Mohini Upadhyaye.
- An Intercollegiate Workshop on ‘Plant Tissue Culture’ was conducted by Department of Biotechnology on 28th and 29th July, 2017. 45 students from various colleges learnt theoretical and practical aspects of Introduction & Applications of Plant Tissue Culture and Practical sessions on Aseptic techniques, Stock & Media preparation, Explant sterilization & Inoculation, Callus induction and Synthetic seeds preparation.
- A Workshop on ‘Drinking Water Quality Analysis’ was conducted by Department of Environmental Sciences on 11th August 2017. In this workshop students collected around 200 samples of water from housing societies and analyzed and the report was given to the respective individuals, regarding the status of drinking water quality.
- Two days workshop on ‘Bioluminescence & Study of microbial enzyme production’ was conducted by Department of Microbiology on 18th -19th September 2017. A total of 103 science students participated in the workshop to learn about the intriguing world of microorganisms and the methodology to determine the microbial load of the sample under study. The phenomenon of bioluminescence was studied using marine bacteria isolated from rani fish. The microbial count of the given samples were carried out by various methods like, microscopic counts, viable counts by surface spread and pour plate technique.

- A Workshop on ‘Bonsai Making’ was conducted by Department of Botany on 18th September 2017. 80 students from F.Y.B.Sc and S.Y.B.Sc Botany participated in this workshop. Detail explanation about making of Bonsai and its maintenance was given. The explanation was followed by demonstration of making of two different forms of Bonsai. After demonstration, all students made Bonsai individually.
- A Workshop on ‘Paper Bag Making’ was conducted by Department of Environmental Sciences on 22nd September 2017. In this workshop 70 students from various classes were taught to make paper bags from old newspapers and use them, thus minimising the use of plastic bags.
- A One Day Workshop on ‘Aquarium Making and Rearing of Ornamental Fish’ was conducted by Department of Zoology on 25th September 2017, to promote entrepreneurship skills among students. A total of 72 students from various science departments participated in the workshop.
- A One Day Workshop on ‘Goods and Services Tax’ was organized by Department of Commerce on 27th September 2017. The various procedures for registration under GST and calculation of total taxable income and filing of individual income tax return were explained to the students.
- A Workshop on ‘Solid Waste Management’ was conducted by Department of Environmental Sciences on 12th October 2017. In this workshop, Padmashri Dr. S. P. Kale, Former Head, Technology Transfer and Collaboration Division, Bhabha Atomic Research Centre (BARC), explained the technical aspects of segregation of waste, bio composting and growing of plants. He also demonstrated the making of biocompost bin to the 200 participants.
- A Workshop on ‘Healthy body and Healthy Mind’ was conducted by Yoga Centre on 15th to 21st November 2017. Students practiced different asanas under supervision of yoga experts. They learned and practiced breathing techniques for stress free life and encouraged to follow a healthy lifestyle by doing exercises in their daily routine. The technical assistance for this workshop was given by Dr. Amit Mishra, SVYASA, Khadakpada, Kalyan and his team. 70 students completed the workshop successfully.
- A Workshop on ‘Confidence Building’ was conducted by Career and Counselling Cell on 15th December 2017, for all FY classes to improve the confidence of students for better communication, facing interviews, writing examination and interaction with people.
- A Resume building workshop on ‘Ticket to Corporate’ was conducted by Department of Management Studies on 18th December 2017. The workshop included talks on resume building, latest trends in Resume Building Group Discussion, dos and don’ts of GD, Personal Interview Techniques, and Mock Interview etc. More than 400 students from the department visited the workshop.

- A Workshop on ‘Hands on Training for Basic Instruments’ was conducted by Department of Microbiology on 05th January 2018. Around 20 students from science departments participated in the workshop. In this workshop Basic Theory, Principle of Working and Application was taught to the students. A hand on training was given on the instruments like Spectrophotometer, pH meter, Colorimeter etc.
- A Workshop on ‘Bottle Garden designing’ was conducted by Department of Botany on 08th January 2018. During this workshop students were given information about the technique of designing and making Bottle garden and its maintenance. A hand on training was given to the students for the same. 45 students from various schools of Kalyan were participated in the workshop.
- A Workshop on ‘Ikebana (Flower Arrangement)’ by Department of Botany on 10th - 16th January 2018. Dr. Meghna Mhaskar was the resource person. 150 students attended the workshop and participated enthusiastically in the workshop.
- A Workshop on ‘Stress management’ was conducted by Rotaract Club of Birla College on 09th February 2018. In total around 103 people registered for the workshop. The Speaker, Dr. Chandra Iyer went through the concepts of stress, types of stress, eustress and distress and the causes and effects. The speaker even conducted the self stress test for the audience. The results were collected for further analysis. The audience was given 9 management tools which could be used in situations of need.
- A Workshop on ‘How to make Chart and Graph’ was conducted by Department of Economics on 17th February 2018. In all 80 students participated in the workshop. The objective of the workshop was to integrate theoretical and practical aspects of economics and statistics.
- An Intercollegiate Workshop on digital electronics titled ‘Digitronics’ was conducted by Department of Physics on 14th February 2018. 60 students including students from nearby colleges learnt about topics like PAD to PAD PCB making software. Students learnt this software and designed PCB for many circuits like water level indicator using IC7400, Object counters using 7493, Touch pin indicator using IC7404, Light intensity indicator using IC7476. 60 students participated in the workshop. The students learnt the practical aspects of fixing the components by soldering on the PCBs and all the circuits were checked.
- A Workshop on ‘Basic Techniques of Chromatography workshop’ was conducted by Department of Zoology from 2^{1st} February to 23rd February, 2018. This workshop was mainly organized for F.Y. BSc. students of all science faculties. A total of 42 students were benefitted.
- A Workshop on ‘Consumer Guidance and Financial Literacy’ was conducted by the Department of Lifelong Learning and Extension (DLLE) and Department of Commerce and Accountancy on 21st February 2018. Students were motivated to plan to achieve financial stability and to start it at a very young age with different avenues available where

they can invest their money to get good returns.

- A Workshop on 'Essential Laboratory Skills' was conducted by Department of Bioanalytical Sciences on 22nd February 2018, for all science students intending to develop basic practical skills to work in laboratory. Students were given knowledge of simple but very important practices to achieve best. Total 25 students of undergraduate level attended the workshop and they were given thorough knowledge and practice wherever required in the areas like Design of experiment, pipetting Accuracy, Removal of Interference, Data Analysis and Interpretation of Results. They were also showed and explained results of various chromatographic techniques like HPTLC and HPLC.
- A Workshop on 'Advance MS-EXCEL and its applications' was conducted by Department of Mathematics on 20th to 23rd February, 2018. In this workshop around 50 students from various classes were taught topics like creating and navigating worksheets, mathematical functioning, sorting of data, data analysis using goal seek and solver, conditional logic functions, etc.
- A Workshop was organized on 'Library Management Skills and Career Options in History and Interview Skills' was conducted by Department of History on 26th February 2018. 50 students of TYBA (History) participated in the workshop. Mr. Kiran Raikar covered the topic of library Management, and discussed the intricacies of digital library by giving the examples from our own college library. He emphasized on different libraries e.g. Asiatic Society, Jawaharlal Nehru Library, University of Mumbai etc., its working and the system of Management as they provide service to a large group of people.
- A Skill Development Workshop on 'Cyber Crime Awareness' was conducted by Department of IT on 26th February 2018 to make the students aware of the various cyber crimes and how to deal with them by Mrs. Swapna Nikale.
- A Workshop on 'Skills Development' in computer hardware was conducted by Department of CS on 27th February 2018. Computer System like Motherboard, Processor, Input and Output was explained in detail which enhanced the knowledge of students. 80 students participated in workshop. Topics like installation of the operating System and different Software were covered in the practical session.
- A Workshop on 'Students Support and Progression' was conducted by IQAC on 27th February 2018. In this workshop three speakers Dr. S.T. Gadade, Dr. Vijay Dabholkar and Dr. (Mrs.) Gauri Hardikar conducted sessions on how various survey based activities which can be conducted and then published, human values can be inculcated and understanding one's own potential and capacities can be realized and put to use.
- A Workshop on 'Hands on training on FTIR' for UG & PG students was conducted by Department of Chemistry on 17th March 2018 for UG & PG students. The theoretical explanation was followed by practical hands on experience on the instrument.
- A Workshop on 'Mushroom Cultivation' and Hands-on Training was conducted by Department of Botany on 20th March 2018. 40 students from S.Y.B.Sc. and T.Y.B.Sc

Botany participated in this workshop. Mushroom cultivation and maintenance of culture was elaborately explained by the resource persons Dr. Lalsahab Yadav and Dr. Darshana Patil. The explanation was followed by demonstration of making of mushroom bags.

- A Workshop on ‘Chromatography and Spectroscopy’ was organized by Department of Bioanalytical Sciences on 22nd March 2018 for UG and PG students. Total 40 students from departments of Zoology, Biotechnology and Botany participated in the workshop. The students learnt the working of instruments like High performance Thin layer chromatography, High performance liquid chromatography, Gas chromatography, Fourier Transform Infrared spectroscopy etc.
- A Workshop on ‘Library and Information Science profession in the Digital Era: Changing trends, challenges and opportunities’ was conducted by Library on 24th March 2018. The Workshop was organized to Empower Library and Information Science Professionals with necessary digital and personal skills to face the changing trends and upcoming challenges and serve the user community in an efficient and effective manner. It was attended by 123 participants including Librarians and Library Support staff of various Schools and College libraries and Students of Library & Information Science.
- A Workshop on ‘Interpersonal Relationships’ was conducted by Career and counselling Cell on 27th March 2018. Dr. (Mrs.) Varsha Phadke, Practicing Gynaecologist, Kalyan enlightened the girls on the topic, ‘Mind and Body Relationship’ and Dr. Parag Patil, Practicing Gynaecologist, Kalyan, provided insights to the boys on the same topic in a separate hall. In the second interactive session of the workshop, Dr. Suchitra Naik, Principal, Joshi-Bedekar College, Thane gave an elaborate presentation on the topic ‘Know Yourself’. In the third session, Dr. Sandeep Jadhav a well known psychiatrist from Kalyan explained the importance of relationships in life through the topic ‘Maintaining Healthy Relationships’.

Problem Encountered and Resources Required

In the initial days students were hesitant to participate in workshops and the participation were not adequate. For all science departments, the resources required were acquired through DBT- star college funds and the rest of the funding was given from the college accounts.

Evidence of Success:

Eventually students participated in many workshop and activity based events. The success can be seen from the number of workshops and activities planned by various departments and the increasing number of participations. Many students could fetch jobs through campus placements or otherwise due to enhanced confidence and positive attitude.

Best Practice 2

ii) Goal: To develop Digital Initiatives for enhancing better Customer Experience of the students

The Content

Improving customer experience delivers real benefits to organizations that successfully execute customer-centric strategies. In the present competitive world, delivering digital services and

operations has emerged as a prime mover in reshaping customer experience in almost every sector. As every top commercial companies like Amazon, Apple and others continuously reinvent themselves by delivering simple, immediate, and individualized experiences educational institutes are also making bold moves to build dynamic shared digital ecosystems around customer needs. Satisfied customers, exhibit deeper loyalty to organizations, and create conditions that allow institutes to perform better.

In recent years, education sector has witnessed tremendous disruption in teaching and learning methods due to the impact of ICT. The field of education is growing fast through technology, leveraging technologies has enhanced the scope of digital teaching learning and administration.

Digital services and operations are raising the competitive bar in every sector.

Practice

To capture the opportunity, incumbents should embrace a new operating model that dramatically improves the digital customer experience. In view of the changing scenario, the following digital initiatives have been taken up by our college to enhance the customer experience.

- Online Attendance system: Data of 279 staff members' profile in form of face detection/finger prints are fed into in software which is then interpreted by software and data is analysed digitally.
- Dynamic Website is in use
- Web based administration: Online Admission where online forms are filled by students with the relevant data which is processed for further administrative purpose which includes relevant Report Generation
- Examination: For College examinations, software is been generated for declaring results on time.
- Online Evaluation: The University examination evaluation is been done online by teachers from the college and neighbouring colleges for which dedicated computers with internet facility has been provided
- Smart Teaching through Smart Classrooms: 08 classrooms have been converted into smart classrooms with facility dedicated computer, projector, Smart board (screen touch system) and audio system.
- Social media like Facebook and Youtube for the college is actively upgraded with fresh data regularly.
- Application of Social Media like WhatsApp etc. for student-teacher interaction is done department wise.
- Digital resources in Library includes network research laboratory having 15 dedicated computers, with LIBSYS software for maintenance of books. 12 Kindle devices have been purchased for reading purposes.
- Wi-fi facility: The Heads of all Departments have been provided with internet facility.

The college campus will be made wifi very soon.

Teachers and students can collaborate form different locations, using a variety of smart gadgets

giving them real time learning. By offering educators and students more ways to connect, engage, manage and succeed, these initiatives have created an integrated digital environment.

7.4 Contribution to environmental awareness / protection

1. A Workshop on 'Vermicomposting and Biocomposting' was conducted under Summer School for school students on 19th May 2017 and 'Waste to Compost' on 9th August 2017.
2. 'World Environment Day' was celebrated on 5th June, 2017. The College in association with Kalyan Dombivli Municipal Corporation organized a Tree Plantation Drive at Birla College. A Cycle Rally and Human Chain Formation were formed from Birla College to Subhash Maidan.
3. A Display of books on environmental issues was exhibited in the library on 5th June 2017.
4. As an initiative by Government of Maharashtra for greening the state, Tree Plantation Drive was organized on 2nd July 2017. More than 200 trees were planted within the college campus and outside.
5. 'Paryavaran Jager Dindi' and 'Vriksha Dindi' was organized on 4th July 2017 and 20th August, 2017 respectively, in association with Kalyan-Dombivili Municipal Corporation, Century Rayon, Social Forestry Department, Friends of Trees, Kalyan Branch and NGOs like Rotary Club, Lion's Club and Giants Club to create awareness regarding the importance of tree plantation.
6. A Meeting was organized with Mayor, Mr. Rajendra Deolekar, KDMC Officials, NGO's and general Public from Kalyan for discussing Plastic Ban on 31st July 2017.
7. A Meeting was organized with Mayor, Mr. Rajendra Deolekar, KDMC Officials and Principals of Schools for discussing the measures to be taken by different schools on Plastic Ban on 5th August 2017.
8. A Workshop on 'Drinking Water Quality Analysis' was organized on 11th August 2017 to test the water quality in surrounding residential areas.
9. Eco-friendly Ganpati Festival was organized on 25th – 26th August, 2017 with the theme 'Wealth Out of Waste: A Village Scene'. Nirmalya Collection was done on 26th August 2017.
10. World Ozone Day was celebrated on 16th September, 2017. Various Intercollegiate Competition like Dark Hour (neon painting) and Nature Hunt with themes like Biodiversity, Nature Design and Technology-Today were organized.
11. To clean the college campus and for making the campus plastic free, 'Swachhata Abhiyan' (cleanliness drive) was conducted in Wadeghar Village on 15th September 2017, and in College premises on 10th October 2017 and 21st December 2017.
12. Workshop on Solid Waste Management was conducted on 12th October 2017 where Padmashri Dr. S. P. Kale explained the importance of solid biodegradable waste resource management by demonstrating the making of a biocompost bin by every individual family.
13. An Intercollegiate Competition on 'Best Out of Waste' was also conducted on 13th December 2017.
14. No Vehicle Day was organised on 20th February 2018 in which the college has taken initiative to create awareness among the students and faculties for protecting the environment as a responsible citizen to spread the message of saving fuel and reducing

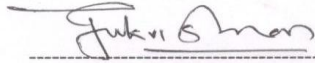
the green house gases due to vehicular pollution.
 15. Under Swachhata Abhiyan, A Road Cleaning Activity was performed on different streets of Kalyan on 10th March 2018.

SWOT	√	
Strength		
<ul style="list-style-type: none"> • The Name • Vibrant Work Culture, Holistic Approach • Dedicated Faculty and Family Culture; Adjunct Faculty • Introduction of several need-based courses • NAAC Reaccreditation with A Grade with CGPA-3.58 • <i>College of excellence status</i> (2015-2020) by UGC • <i>Best College Award</i> from University of Mumbai (2009) • Excellent Results • Active Internal Quality Assurance Cell • ISO certification • Promoting Research Culture • NCC and other Extension activities • Support from UGC, DST, DBT, Management etc • Achievements in sports at state / National / International level • Certificate courses in Chinese, French, German, and Japanese 		
Areas of Concern		
<ul style="list-style-type: none"> • Reading Habits of students • Language skill of students • Appointment of new faculty 		
Opportunities		
<ul style="list-style-type: none"> • Skill development and entrepreneurship development • Interdisciplinary and Multidisciplinary approach • Use of E-Resources for effective Teaching - Learning 		
Threat		
<ul style="list-style-type: none"> • Increase in Aggression among the youngsters in general • Shifts in moral values and perspectives poses a threat • Ego conflict 		

8. Plans of Institution for next year

- To be an autonomous institution
- To increase workshops/ seminars / conference for skill development of students
- To introduce more certificate programmes
- To strengthen further infrastructure
- To further upgrade the ICT enabled campus
- To inculcate more research aptitude amongst students

Name: Dr. Geetha Unnikrishnan



Signature of the coordinator, IQAC

Name: Dr. Avinash Patil



Principal

Signature of the chairperson, IQAC
B. K. Birla College of Arts, Science
& Commerce, Kalyan

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Abbreviations:

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