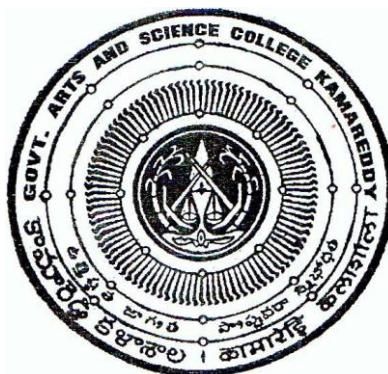


**A PROFILE OF CHEMISTRY DEPARTMENT**  
**GOVT. ARTS & SCIENCE COLLEGE**  
**KAMAREDDY**



**SUBMITTED TO**  
**NAAC**

**BY**  
**B.KARUNAKAR RAO**  
**IN-CHARGE DEPT.OF CHEMISTRY**

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## **1. INTRODUCTION:**

The Department of Chemistry was established in the year 1964 under the leadership of Late Sri GURU RAJA. Initially PUC and U.G classes were started. Chemistry Department is the biggest Department in this college with well equipped Laboratories for U.G courses.

The enormous magnitude of scientific manpower produced several post graduates by this Department and number of Alumni have distinguished themselves in Academic and Administrative area in the Country and Abroad and occupying position of responsibility in industrial establishment and in academic institutions. Every year the passing percentage of U.G. is far higher than the University results.

The Department arranged educational tours for U.G Students to inculcate knowledge among the students by visiting the surrounding industrial area like Gayatri Sugar Factory, Kamareddy.

## **2. TEACHING STAFF:**

<b>S.No.</b>	<b>Name of the Lecturer</b>	<b>Designation</b>	<b>Educational Qualification</b>	<b>Specialization</b>
1.	B.Karunakar Rao	In-Charge	M.Sc	Org.Chemistry
2.	R.Hanmandlu	Contract Faculty	M.Sc	Org.Chemistry
3.	V.Shashidhar	Contract Faculty	M.Sc	Org.Chemistry
4.	A.Lavanya	Guest Faculty	M.Sc	Org.Chemistry
5.	L.Srujana	Guest Faculty	M.Sc	Org.Chemistry

### 3. ACADEMIC ACTIVITIES

#### **CURRICULAR ACTIVITIES:**

#### **Our Teaching Practices include, Maintaining:**

- Annual Academic plan
- Teaching Diaries
- Attendance Registers
- Teaching Notes

#### **ADDITIONAL INPUTS:**

#### **Conducting:**

- Extension Lectures
- Field visits
- Career Guidance
- Remedial classes for slow learners
- Study Material

#### **LEARNING PRACTICES:**

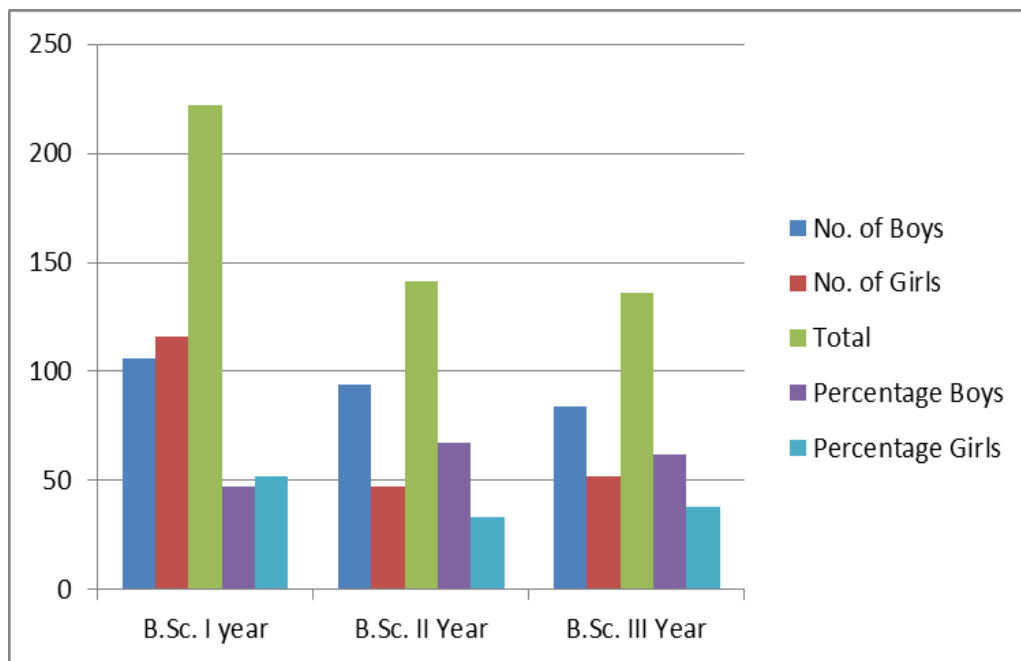
- Class-room student seminars
- Home Assignments
- Quiz Competitions
- Group Discussion
- Solving previous Question Paper
- Student Study Projects

#### **EVALUATION:**

- Unit Tests
- Home Assignments
- Internal Assessment Tests
- Pre-final Examinations

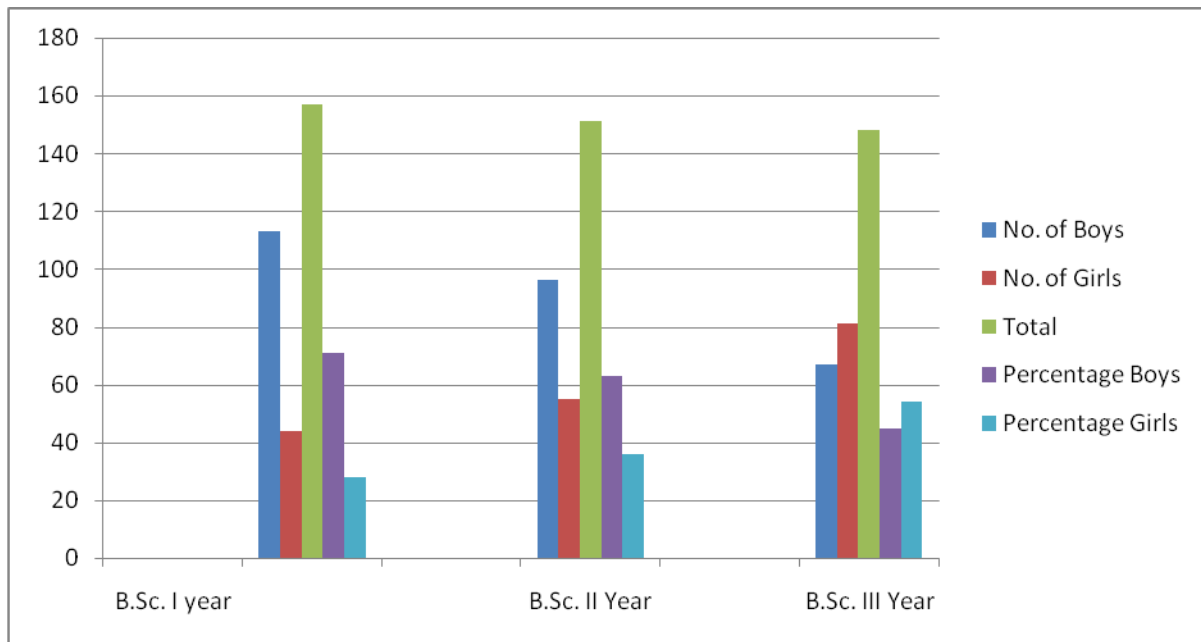
#### 4. STUDENT STRENGTH FOR ACADEMIC YEAR 2015-16

Year	No. of Boys	No. of Girls	Total	Percentage	
				Boys	Girls
B.Sc. I year	106	116	222	47	52
B.Sc. II Year	94	47	141	67	33
B.Sc. III Year	84	52	136	62	38



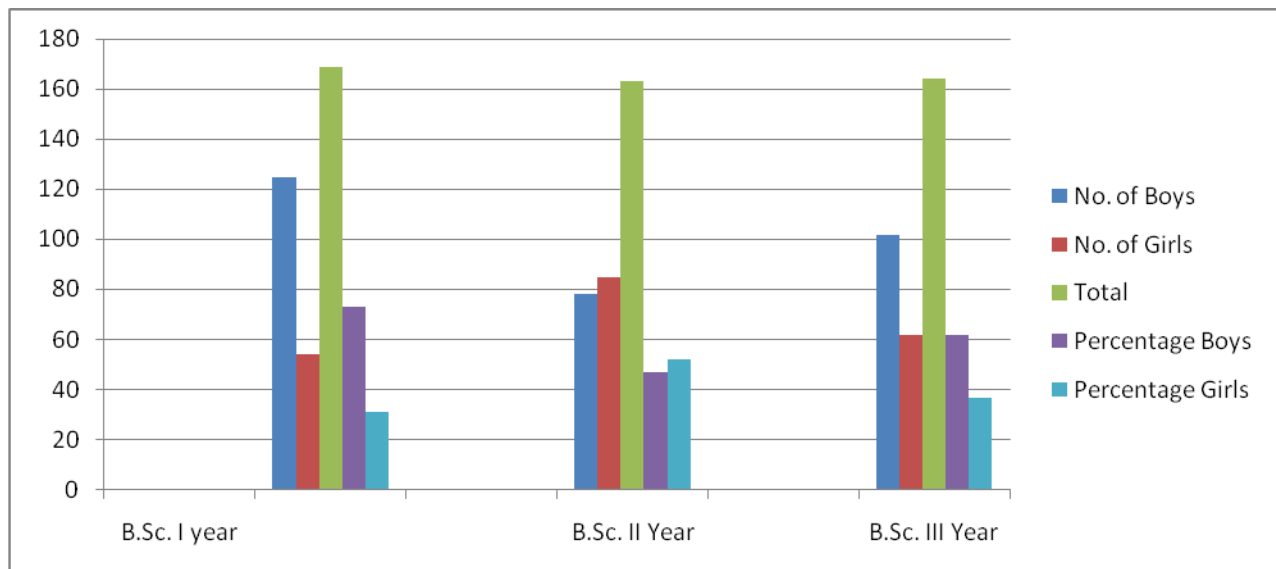
## STUDENT STRENGTH FOR ACADEMIC YEAR 2014-15

Year	No. of Boys	No. of Girls	Total	Percentage	
				Boys	Girls
B.Sc. I year	113	44	157	71	28
B.Sc. II Year	96	55	151	63	36
B.Sc. III Year	67	81	148	45	54



## STUDENT STRENGTH FOR ACADEMIC YEAR 2013-14

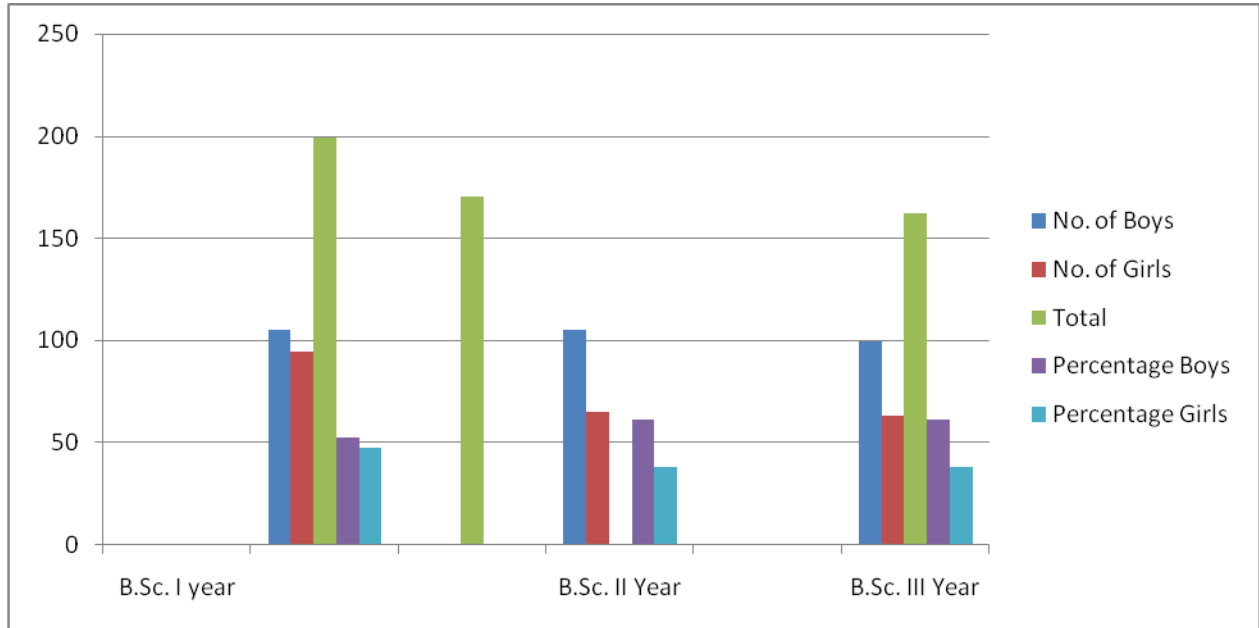
Year	No. of Boys	No. of Girls	Total	Percentage	
				Boys	Girls
B.Sc. I year	125	54	169	73	31
B.Sc. II Year	78	85	163	47	52
B.Sc. III Year	102	62	164	62	37





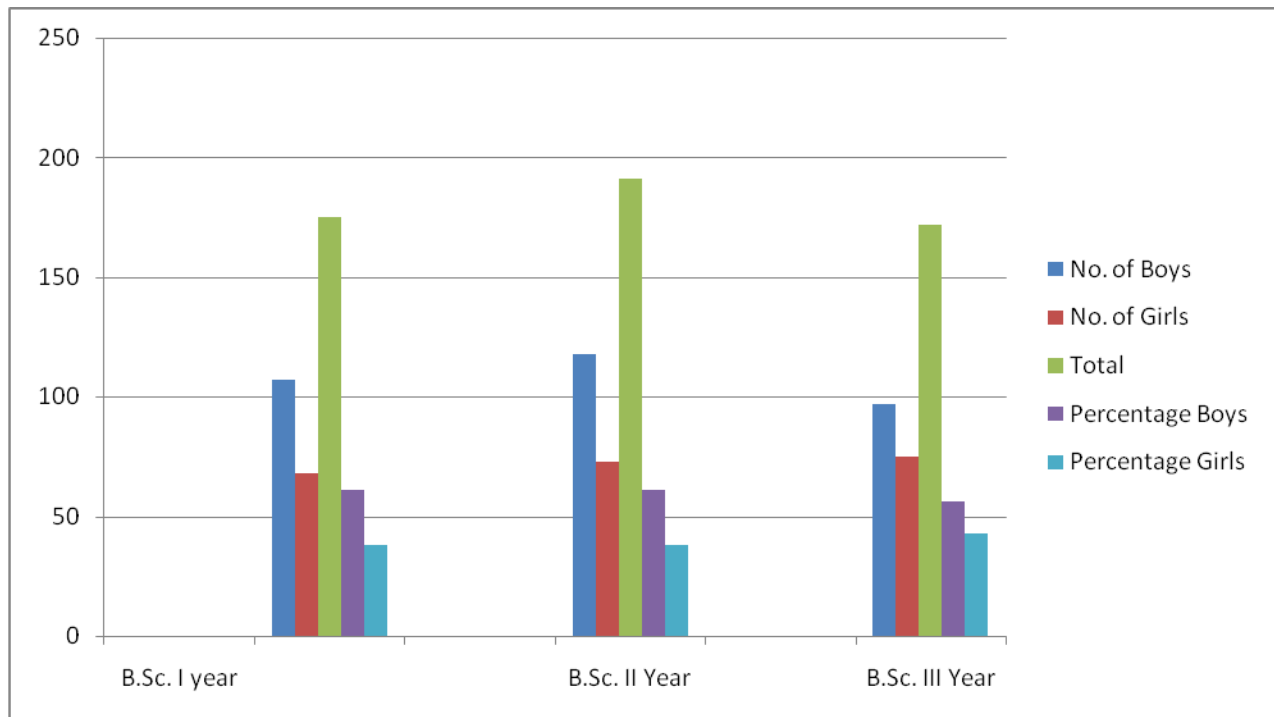
## STUDENT STRENGTH FOR ACADEMIC YEAR 2012-13

Year	No. of Boys	No. of Girls	Total	Percentage	
				Boys	Girls
B.Sc. I year	105	94	199	52	47
B.Sc. II Year	105	65	170	61	38
B.Sc. III Year	99	63	162	61	38



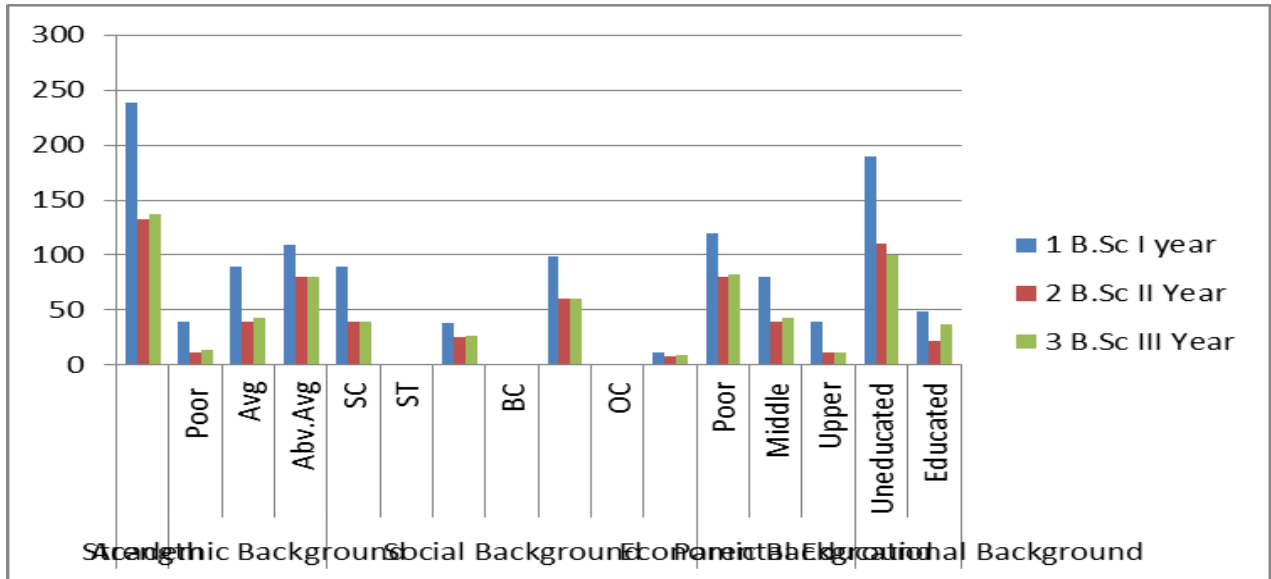
## STUDENT STRENGTH FOR ACADEMIC YEAR 2011-12

Year	No. of Boys	No. of Girls	Total	Percentage	
				Boys	Girls
B.Sc. I year	107	68	175	61	38
B.Sc. II Year	118	73	191	61	38
B.Sc. III Year	97	75	172	56	43



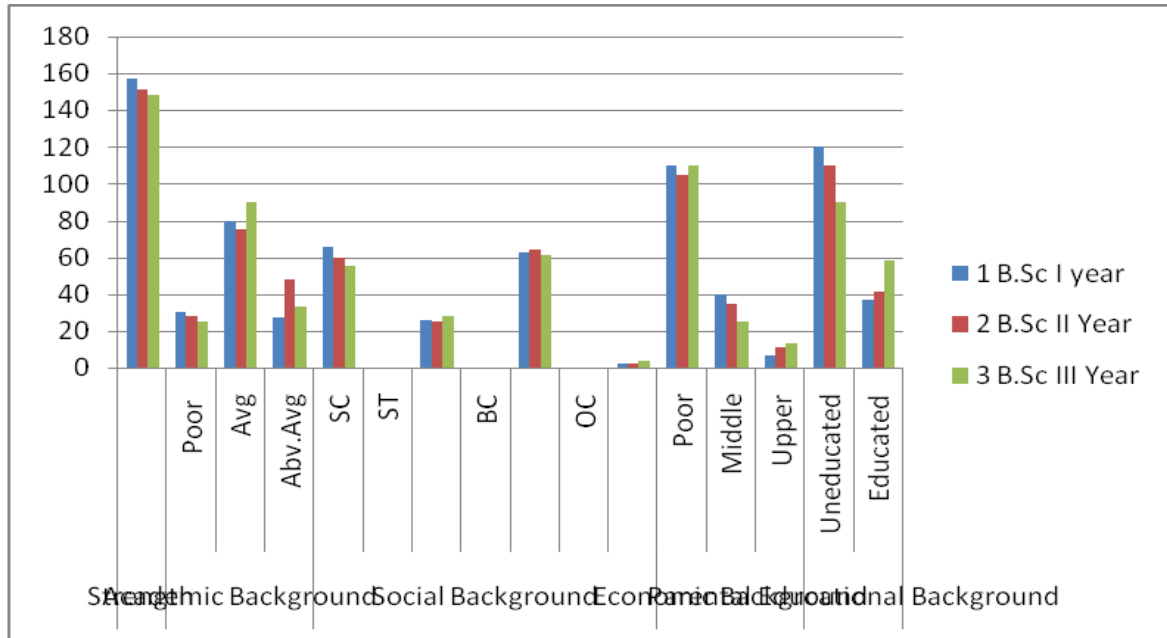
**5. PROFILE OF THE STUDENTS FOR THE ACADEMIC YEAR 2015-16**

S.No.	Class	Strength	Academic Background			Social Background				Economic Background			Parental Educational Background	
			Poor	Avg	Abv.Avg	SC	ST	B C	O C	Poor	Middle	Upper	Uneducated	Educated
1	B.Sc I year	239	40	90	109	90	38	99	12	120	80	39	190	49
2	B.Sc II Year	132	12	40	80	39	25	60	08	80	40	12	110	22
3	B.Sc III Year	137	14	43	80	40	27	61	09	82	43	12	100	37



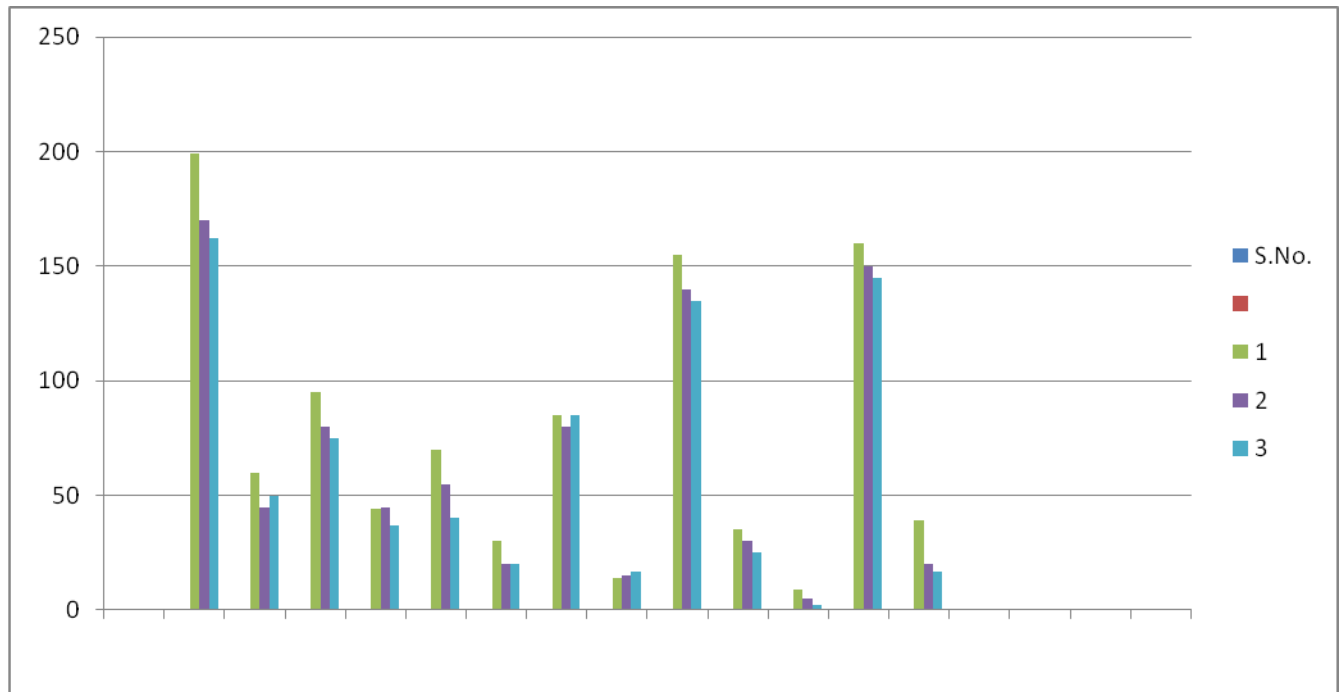
**PROFILE OF THE STUDENTS FOR THE ACADEMIC YEAR 2014-15:**

S.No.	Class	Strength	Academic Background			Social Background				Economic Background			Parental Educational Background	
			Poor	Avg	Abv.Avg	SC	ST	BC	OC	Poor	Middle	Upper	Uneducated	Educated
1	B.Sc I year	157	30	80	27	66	26	63	02	110	40	07	120	37
2	B.Sc II Year	151	28	75	48	60	25	64	02	105	35	11	110	41
3	B.Sc III Year	148	25	90	33	55	28	61	04	110	25	13	90	58



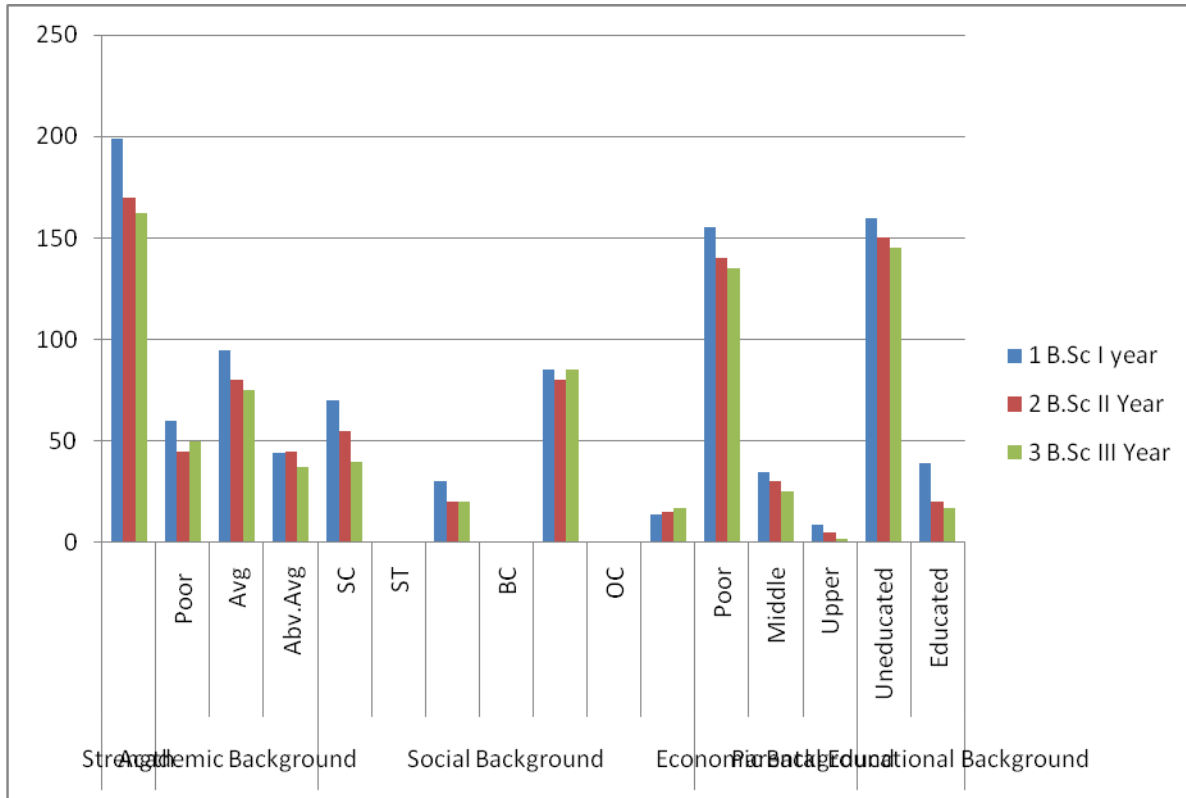
**PROFILE OF THE STUDENTS FOR THE ACADEMIC YEAR 2013-14:**

S.No.	Class	Strength	Academic Background			Social Background				Economic Background			Parental Educational Background	
			Poor	Avg	Abv. Avg	SC	ST	B C	O C	Poor	Middle	Upper	Uneducated	Educated
1	B.Sc I year	169	30	80	39	55	25	75	14	140	20	09	135	34
2	B.Sc II Year	163	30	75	58	50	20	78	15	135	15	13	130	33
3	B.Sc III Year	164	45	60	59	45	25	80	14	125	20	19	140	24



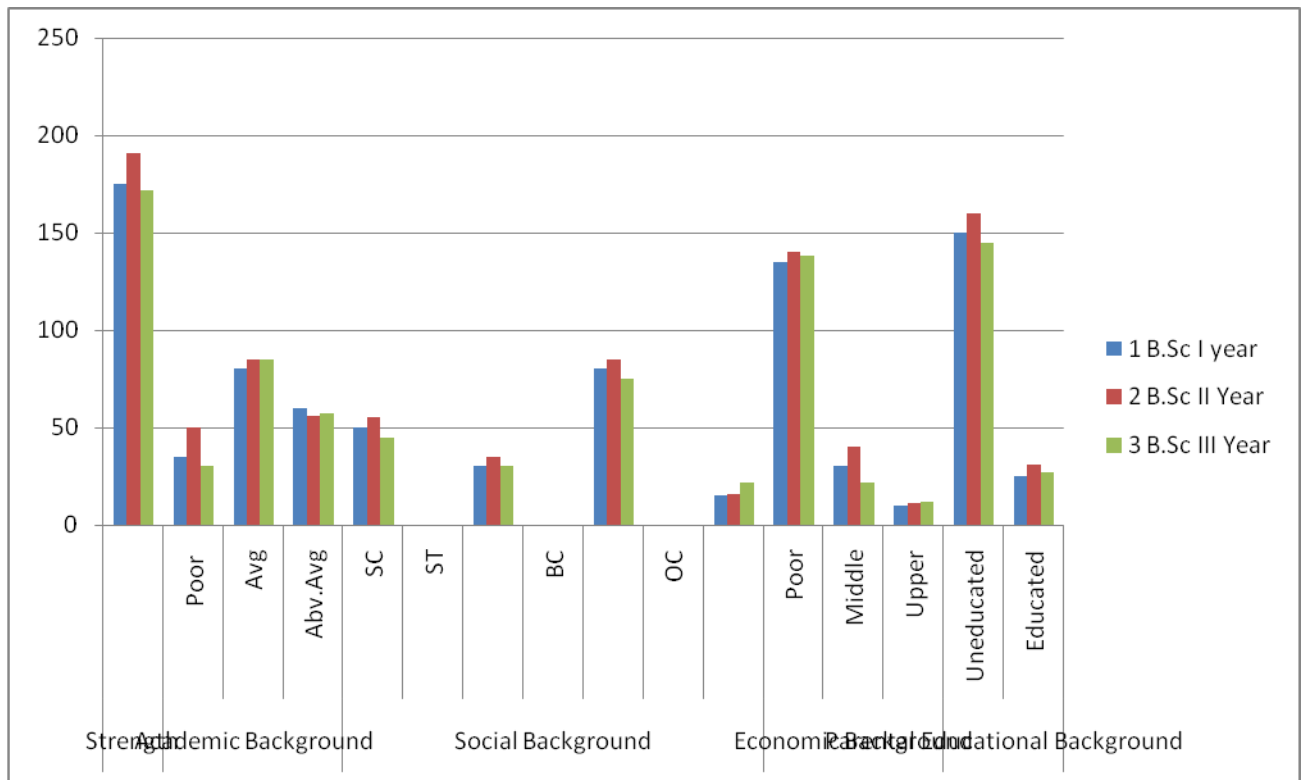
**PROFILE OF THE STUDENTS FOR THE ACADEMIC YEAR 2012-13:**

S. No.	Class	Strength	Academic Background			Social Background				Economic Background			Parental Educational Background	
			Poor	Avg	Abv.Avg	S C	ST	B C	O C	Poor	Middle	Upper	Uneducated	Educated
1	B.Sc I year	199	60	95	44	70	30	85	14	155	35	09	160	39
2	B.Sc II Year	170	45	80	45	55	20	80	15	140	30	05	150	20
3	B.Sc III Year	162	50	75	37	40	20	85	17	135	25	02	145	17



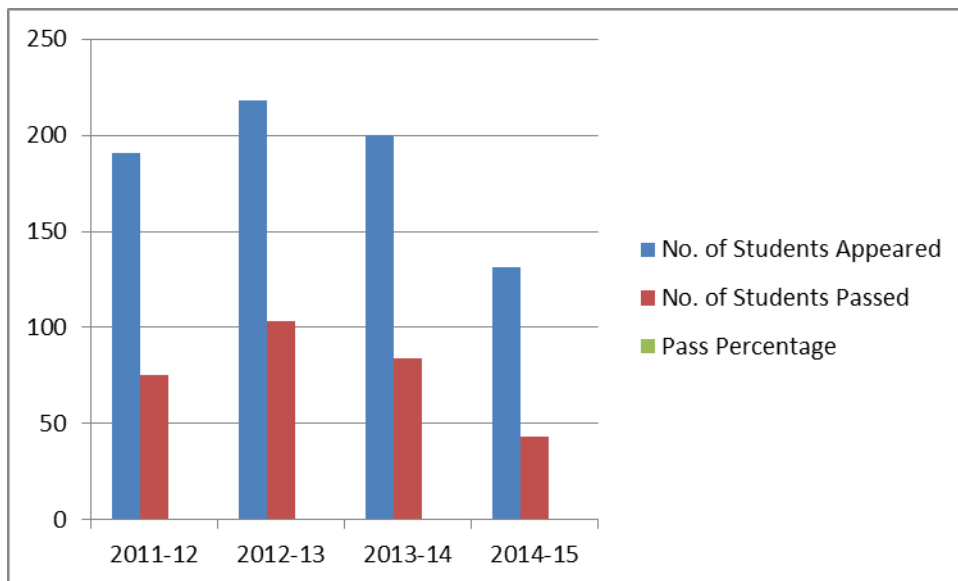
**PROFILE OF THE STUDENTS FOR THE ACADEMIC YEAR 2011-12:**

S. No.	Class	Strength	Academic Background			Social Background				Economic Background			Parental Educational Background	
			Poor	Avg	Abv.Avg	S C	ST	B C	O C	Poor	Middle	Upper	Uneducated	Educated
1	B.Sc I year	175	35	80	60	50	30	80	15	135	30	10	150	25
2	B.Sc II Year	191	50	85	56	55	35	85	16	140	40	11	160	31
3	B.Sc III Year	172	30	85	57	45	30	75	22	138	22	12	145	27



## **6. RESULTS:**

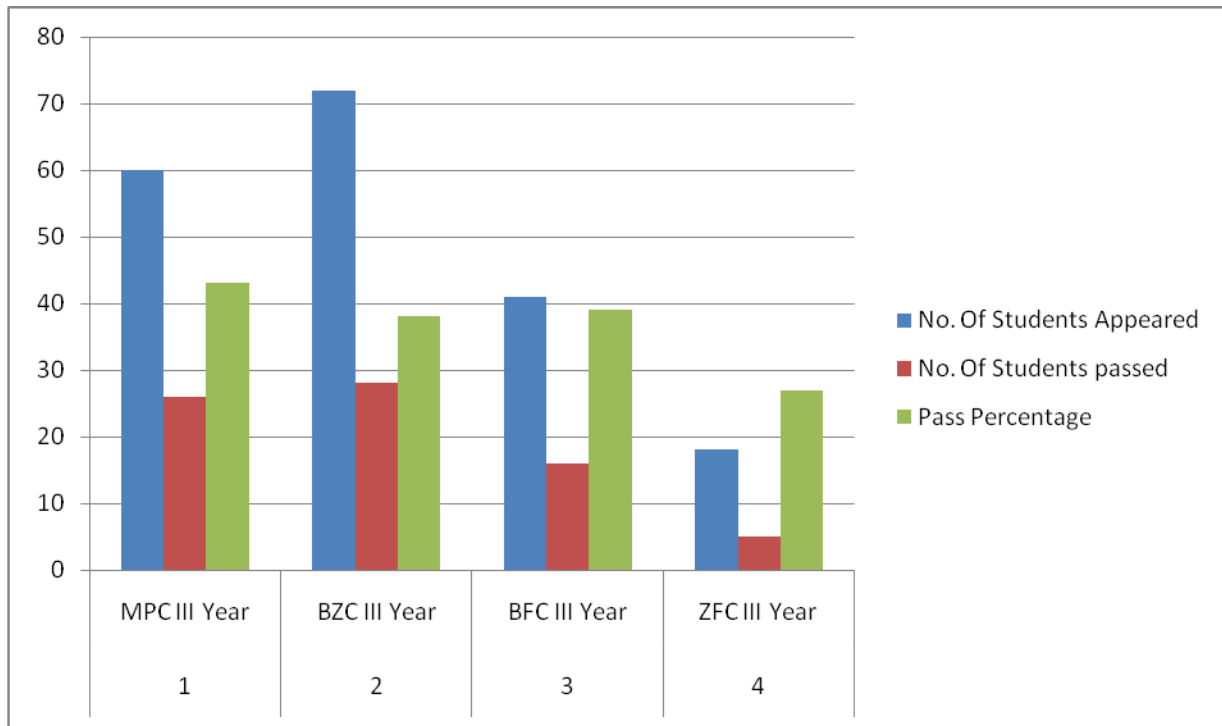
<b>Academic Year</b>	<b>No. of Students Appeared</b>	<b>No. of Students Passed</b>	<b>Pass Percentage</b>
<b>2011-12</b>	<b>191</b>	<b>75</b>	<b>40%</b>
<b>2012-13</b>	<b>218</b>	<b>103</b>	<b>47%</b>
<b>2013-14</b>	<b>200</b>	<b>84</b>	<b>42%</b>
<b>2014-15</b>	<b>131</b>	<b>43</b>	<b>33%</b>





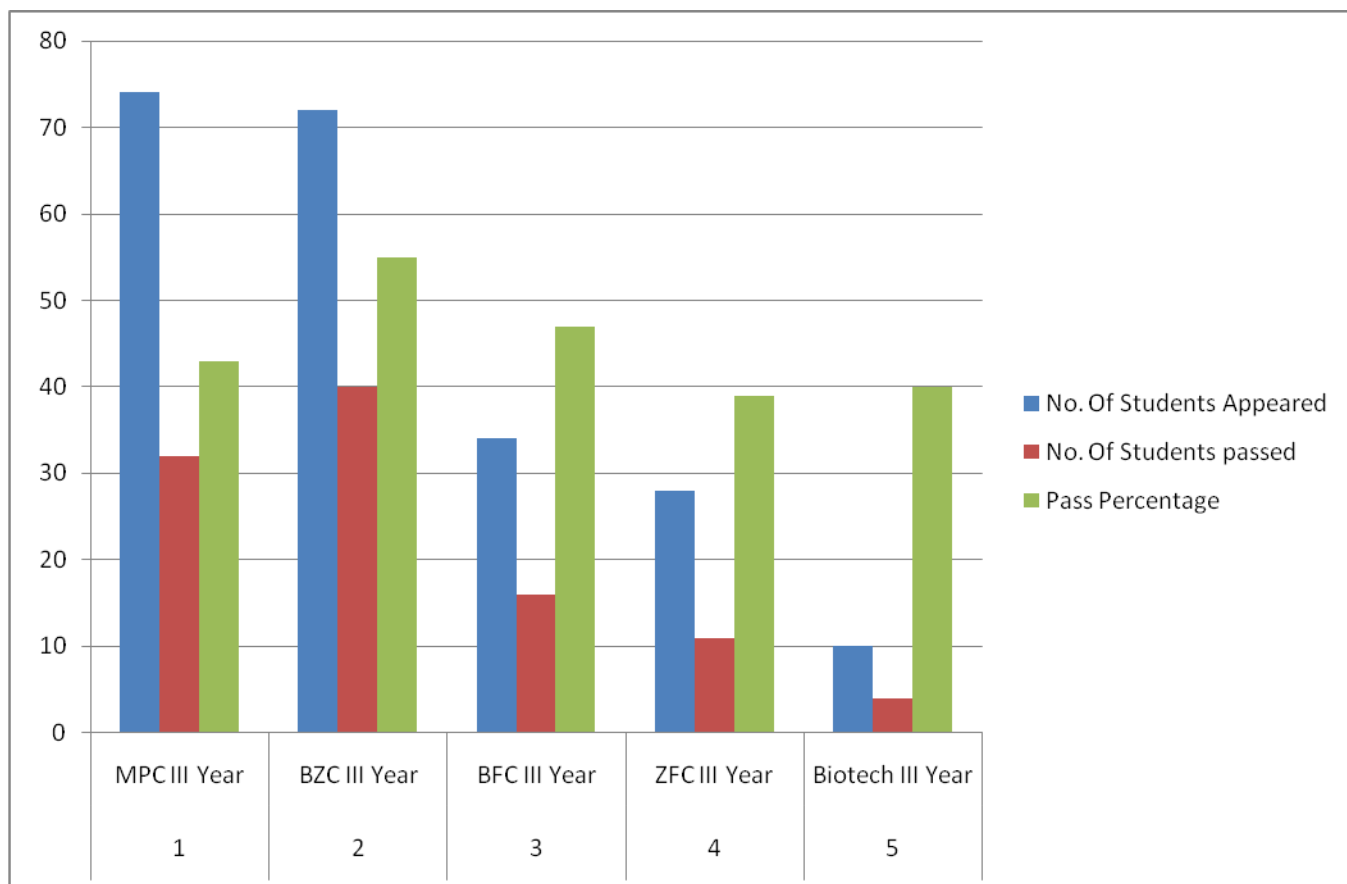
**RESULTS FOR THE ACADEMIC YEAR 2011-12:**

S.No.	Class/YEAR	No. Of Students Appeared	No. Of Students passed	Pass Percentage
1.	MPC III Year	60	26	43
2.	BZC III Year	72	28	38
3.	BFC III Year	41	16	39
4.	ZFC III Year	18	05	27



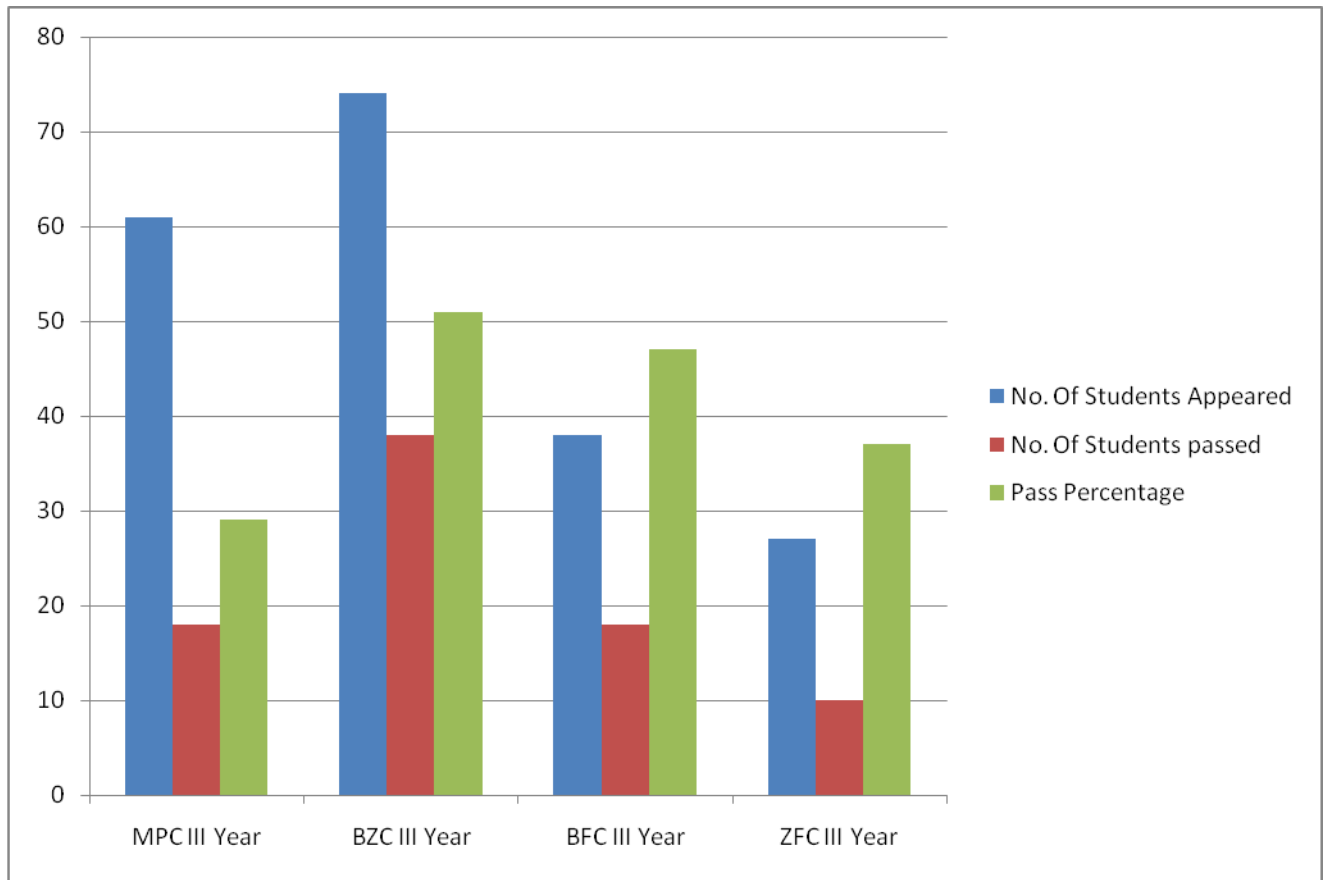
## RESULTS FOR THE ACADEMIC YEAR 2012-13:

S.No.	Class/YEAR	No. Of Students Appeared	No. Of Students passed	Pass Percentage
1.	MPC III Year	74	32	43
2.	BZC III Year	72	40	55
3.	BFC III Year	34	16	47
4.	ZFC III Year	28	11	39
5.	Biotech III Year	10	04	40



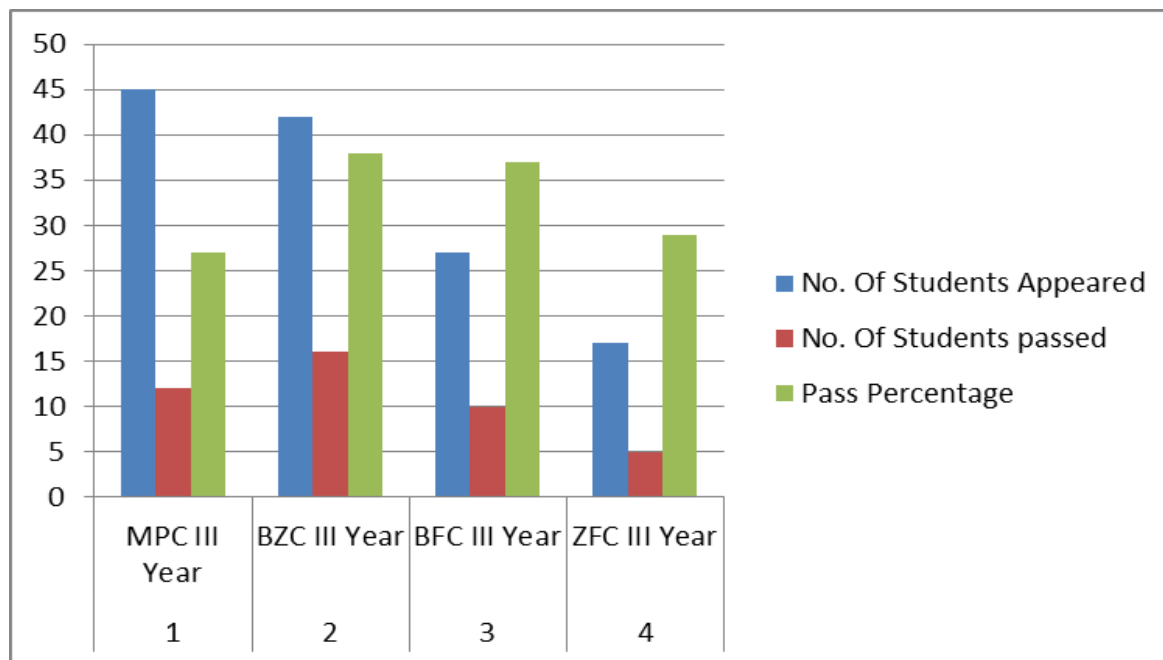
**RESULTS FOR THE ACADEMIC YEAR 2013-14:**

S.No.	Class/YEAR	No. Of Students Appeared	No. Of Students passed	Pass Percentage
1.	MPC III Year	61	18	29
2.	BZC III Year	74	38	51
3.	BFC III Year	38	18	47
4.	ZFC III Year	27	10	37



## RESULTS FOR THE ACADEMIC YEAR 2014-15:

S.No.	Class/YEAR	No. Of Students Appeared	No. Of Students passed	Pass Percentage
1.	MPC III Year	45	12	27
2.	BZC III Year	42	16	38
3.	BFC III Year	27	10	37
4.	ZFC III Year	17	05	29



### **1. EQUIPMENT AND TEACHING AIDS:**

<b>S.No.</b>	<b>Equipment</b>	<b>Total</b>
1.	Conducto Meter	16
2.	Calori Meter	10
3.	PH Meter	09
4.	Analytical Balance	50
5.	Electrical Balance	02
6.	Centrifuge Machine	02
<b>TEACHING AIDS</b>		
1.	Over Head Projector	01
2.	Wooden and Plastic Models	05
3.	Charts	10

## **2. INFRASTRUCTURE AND LEARNING RESOURCES:**

- Books
- Magazines
- Journals
- Very big and fully equipped labs

## **STUDENT SUPPORT AND PROGRESSION:**

- Maintenance of information students (Bio-Data).
- Interacting with students.
- Identification of student problems and solving them.
- Assisting the Administration in Admissions, other curricular and Extra-Curricular activities.
- Encouraging the students to participate in service organization programmes like Health Camps, Blood donation.
- Encouraging them to follow MANA TV Educational Programmes.

### **3. HIGHLIGHTS OF THE DEPARTMENT:**

- Biggest Department in the College.
- Teaching Staff members: 05.
- Performance in the University Results is far better than the University results.
- Department Conducts Educational/ Industrial tours for B.Sc students.
- Guest Lectures/ Extension Lectures are being arranged.
- Senior Faculty members regularly deliver Guest Lectures at U.G levels of this region.

#### **4. ALUMNI OF THE DEPARTMENT:**

A large number of Alumni of the Department of Chemistry have distinguished themselves in Academic and Administrative areas in the country and abroad. They occupy the positions of responsibility in research and Industrial establishment in Academic Institutions.

<b>S.No.</b>	<b>Name</b>	<b>Designation</b>
1.	Raghu Narsimha Chary., M.Sc, IRS	Commissioner of Central Excise, Kalcatta(West Bengal)
2.	Dr.K.Kista Reddy., M.Sc,Ph.D	Scientist at USA
3.	G.NarsaGoud.,M.Sc,Ph.D	Scientist at USA
4.	Dr.P.Yella Reddy.,m.Sc,Ph.D	MD,AISIN COSMOS R&D LTD, Hyd.
5.	Dr.Yadagiri Swamy., M.Sc,Ph.D	Professor in Chemistry,OU, Hyd.
6.	V.Naga Raja Rao,M.Sc	RDO
7.	A.MuthyamReddy,M.Sc	RDO
8.	Dr.Sathyanarayana Reddy.,M.Sc,Ph.D	Scientist at USA
9.	D.Naveen Kumar., M.Sc,Ph.D,PDF(France)	Associate scientist at BIOCON, Bengaluru.
10.	Srinivas,M.Sc.,Ph.D	Scientist at USA
11.	D.Lakshmi Narasimham	Retd. Lecturer, GDC, Kamareddy.
12.	P.Laxman	Retd. Lecturer, GDC, Kamareddy.
13.	Abdul Aziz	Associate Professor in Chemistry,GDC,Gajwel.
14.	Dr.Sailoo	Asst.Professor,TelanganaUniversity,Dichpally.



## **5. ACTION PLAN FOR THE ACADEMIC YEAR 2015-16:**

A meeting has been conducted in the department and prepared an action plan for the Academic Year 2015-16

1. To conduct Unit Tests, Internal Assessment Tests and Pre-Final Exams to improve the Pass Percentage of the Students.
2. To arrange Educational Tour, Research Laboratories for general and educational awareness among the students.
3. To prepare students for P.G Entrance Examinations.
4. Proposed to conduct seminars by the students.
5. To arrange the Guest Lectures by the Professors, Readers from Universities.

## **INDIVIDUAL PROFILES OF TEACHING STAFF**

### **B.Karunakar Rao, Associate Professor, Dept. of Chemistry, Govt. Arts & Science College, Kamareddy**

He was born in a rural area to an agricultural family. He studied primary education in his native place, a village, Amdapur near Bodhan in Nizamabad District. He passed SSC with second division 1976. from Government High School, Dharu Gally, Nizamabad. He passed Intermediate with BiPC in First division during 1976-1978 from Madhu Malancha Junior College, Shakkar Nagar near Bodhan . he studied Graduation B.Sc with BZC during 1978-81 and passed First division from Girraj Government College, Nizamabad. He did Post Graduation M.Sc Chemistry in 1984 and passed in Second division from Banaras Hindu University, Varanasi. He started his career as part time lecturer in Chemistry in the year 1985. later he was appointed as regular lecturer by the Commissionerate of Collegiate Education, Hyderabad in 1996 in the same college and his services were regularized.

He has been a member of Cultural forum of this college 1997 to 2005. he attended the Orientation Programme from 01-12-2003 to 27-12-2003 and one Refresher Course in Chemistry from 02-02-2004 to 21-02-2004 conducted by UGC , Academic Staff College, University of Hyderabad.

He has been working as member in the Examination Branch since 2008-09. He also attended Refresher course in Environmental Studies from 20-07-2006 to 10-08-2006 conducted by Academic Staff College, Osmania University, Hyderabad. Also attended Refresher Course in Chemistry from 13-07-2011 to 02-08-2011 conducted by Academic Staff College, University of Hyderabad, Hyderabad.

He has taken over the charge of chemistry Department in the Academic year 2013-14. Recently he was chosen as a member in Board of Studies, Telangana University.

## **R.Hanmandlu, Contract Faculty**

He was born in Barangedgi (village). Birkur(Morthad0, Dist: Nizamabad, Telangana ina middle class family. He has studied 1 to 5<sup>th</sup> at Barangedgi village , 10 th class , P.H.S High School, Bichkunda. SSC Passed in 1993 in 1<sup>st</sup> division . Intermediate completed at Madhu Malancha Junior College( MMJC). 1993-1995 in the first division. Degree B.Sc BZC studied at MMDC Bodhan. 1995-1998 passed in the first division.

He did PG M.Sc Organic Chemistry at Osmania University during academic year 1999-2001. in First division. He was appointed as contract lecturer in 2002 at SRNK , GDC, Banswada. He worked there till 2013. He was shifted to Kamareddy in 2013 has been working at Govt. Arts & Science College, Kamareddy. He attended seven days workshop at GG College Nizamabad conducted by CCE, Hyderabad from 14-03-2011 to 19-03-2011.

He also attended a National Seminar at Telangana University on 18-03-2015.

## **V.Shashidhar, Contract Faculty**

He was born in Gatta Malyala village Nanganoor Mandal Medak District. His studied primary education at Gatta Malyala Village and 10<sup>th</sup> Class at ZPHS School Siddipet. He studied Intermediate at Siddipet during 2003-2005. He completed his Under Graduation B.Sc with BZC during 2005-2008. He did Post Graduation M.Sc with Organic Chemistry at LN Mithila University, Dharbang (Bihar) in First division. He worked as Contract Lecturer at GDC, Armour from 11-10-2012 to 31-03-2013. Later he was shifted to Govt. Arts & Science College, Kamareddy in the Academic Year 204-15.

### **A.Lavanya, Guest Faculty**

She was born in Kamareddy, Dist Nizamabad. She studied Primary and Secondary Education in Vasavi Public School, Kamareddy. She studied Intermediate at Kamareddy during 2004-2006. She completed her Degree B.Sc with Bio-Technology during 2006-2009. She did Post Graduation with M.Sc Organic Chemistry at Manjeera Degree & PG College, Kamareddy and passed in First division. She worked as Faculty in Manjeera PG College, Kamareddy during the 2011-2013. Later she joined as Guest Faculty in Govt. Arts & Science College, Kamareddy in this academic year i.e2014-15.

## **L.Srujana, Guest Faculty**

She was born at Siddipet, Dist: Medak , She studied Primary Education at Pragathi Vidyalayam , Kamareddy. And Secondary Education at Aadarsha Vidyalayam , Kamareddy. She studied Intermedaite at Kamareddy during 2004-2006. She did B.Sc with BZC during 2006-09. She did Post Graduation with M.SC. Organic Chemistry at SSR PG College , Nizamabad and passed in First division. She joined as Guest Faculty in Chemistry at Govt. Arts & Science College, Kamareddy in this academic year i.e 2014-15