



DEPARTMENT OF STATISTICS

1.	Name of the department	STATISTICS	
2.	Year of Establishment	1984	
3.	Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.)	B.Sc. : MES, SMCs	
4.	Names of Interdisciplinary courses and the departments/units involved	NIL	
5.	Annual/ semester/choice based credit system (programme wise)	Semester System : Prior to 2014 - 15 Choice Based Credit system: 2014 - 15 onwards	
6.	Participation of the department in the courses offered by other departments	NIL	
7.	Courses in collaboration with other universities, industries, foreign institutions, etc.	NIL	
8.	Details of courses/programmes discontinued (if any) with reasons	NIL	
9.	Number of teaching posts		
	Designation	Sanctioned	
	Filled		
	Professors	NIL	NIL
	Associate Professors	3	3
	Asst. Professors	NIL	NIL



10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt. /Ph.D. / M. Phil. etc.,)

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Students guided for the last 4 years
Dr. M.R.Ramesh	M.Sc; PhD	Associate Professor	Operations Research (OR) ; Econometrics	34	-----
Dr.Nagaraja Rao Chillale	M.Sc; M.Phil; Ph.D	Associate Professor	O.R. ; Sampling	28	3 (guiding)
Sri.R.Prakash	M.Sc; M.Phil;	Associate Professor	O.R. ; Sampling	25	-----

11.	List of senior visiting faculty	NIL		
12.	Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty	NIL		
13.	Student -Teacher Ratio (programme wise)	25 : 1		
14.	Number of academic support staff	Sanctioned	Filed	
		NIL	NIL	
15.	Qualifications of teaching faculty with D Sc/ D.Litt. / Ph.D. / MPhil / PG	Ph.D	02	
		PG	01	
16.	Number of faculty with ongoing projects from	NIL		
	National Funding Agency	NIL		
	International Funding Agency	NIL		



17.	Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received.	NIL
18.	Research Centre /facility recognized by the University	NIL
19.	Publications	
	Publication per faculty	1
	Number of papers published in peer reviewed journals	3
	National Journals	00
	International Journals	03
	Books Edited	05
	<p>List of Books Authored by Dr. Nagaraja Rao Chillale</p> <ol style="list-style-type: none"> 1. A textbook of statistics for PUC course of Karnataka , VOL 1., 2010 2. A textbook of statistics for PUC course of Karnataka , VOL 2., 2010 3. “Quantitative analysis for business decisions”—I, January 2013 : A text book of Business Statistics for II Sem B.com course of Bangalore university, titled. 4. “Quantitative methods for business-II” , January 2013 : A text book of business Statistics for II Sem BBM course of Bangalore university, titled. 5. “Quantitative analysis for business-II”, July 2013 : A text book of business statistics for III Sem B.com course of Bangalore university titled. 	



	Books Edited with ISBN Numbers	NIL
	Impact factor	
	h - index	

Details of Papers Published in International Journals

SL. NO.	Name of the Faculty	TITLE OF THE PAPER	JOURNAL	IMPACT FACTOR	CITATIONS
1	Nagaraja Rao Chillale	An extended cascade model for HIV spread in heterosexuality	Academic Journal of Sciences, USA, 2(2), CD Rom,ISSN,2165-6282,December,2013		
2	Nagaraja Rao Chillale	Uses of statistical methodology in HIV/AIDS projections	International Journal of Stasistika and Mathametika, E-ISSN: 2249-8605(2011).		
3	Nagaraja Rao Chillale	E-database on sericulture pests and diseases	Journal of Indian silk, VOL (II), Page 24-26(2011).		

20.	Areas of consultancy and income generated
	<p>Dr. Nagaraja Rao Chillale :</p> <ul style="list-style-type: none"> ➤ Academic advisor for M.Sc. Nursing students of SGR college, Bangalore for several years. ➤ Visiting consultant for Bio-statistics subject of M.sc (Nursing) course for 2009-10 in Gautham College of nursing, Bangalore
	<p>Prof. R.Prakash :</p> <ul style="list-style-type: none"> ➤ Visiting Consultant for the Research Centre in Applied Mathematics , MES College for Arts, Science and Commerce ,Bangalore ➤ Visiting consultant for Bio-statistics subject of M.Sc (Nursing) course during 2010-12 at Gautham College of Nursing, Bangalore.



21.	Faculty as members in	
	a. National Committees	NIL
	b. International Committees	NIL
	c. Editorial Boards	NIL
22.	Student projects	
	a) Percentage of students who have done in-house projects including inter departmental/programme	NIL
	b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/ other agencies	NIL

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23. Awards and Recognitions received by faculty and students

Dr. Nagaraja Rao Chillale has been awarded “Bharath Shikshana Ratna” for excellence in academics by the Global Society for Health and Educational Development, New Delhi, in 2013.

Dr. Nagaraja Rao Chillale : Resource Person for the following events

Title of the Conference/ Workshop/ Seminar	Lecture delivered on	Organized by	Date
Research methodology and Statistical techniques for Ph.D students	Correlation Analysis	Department of Statistics, Bangalore University	19 th April 2013.
State level work-shop on applications of Bio-statistics in Nursing	* Use of statistical software * Statistical tools	Dr.Shyamala Reddy college of nursing	24 th , 25 th Feb 2011



	for data analysis.		
Workshop on Computer Applications to Nursing profession	Nursing research process & computer applications	Sarvodaya college of nursing, Bangalore	22 nd March 2010
Regional workshop on data collection methods	Concepts of data management	Dr Shyamala Reddy college of Nursing, Bangalore	26 th , 28 th Feb 2009

24.	List of eminent academicians and scientists / visitors to the department	NIL
25.	Seminars/ Conferences/Workshops organized & the source of funding National International	NIL

I. International Conferences Attended

Dr. Nagaraja Rao Chillale

Title of the Conference	Organized by	Held at	Date	Title of the Paper Presented
International journal of Arts and Sciences conference on academic disciplines	The University of Harvard campus, Cambridge,	Greater Boston, USA	26 th - 30 th May 2003	An extended Cascade model for spread of HIV in heterosexuality.
International conference on Statistics and information analytics	Loyola College, Chennai	Chennai	23 rd - 25 th August 2012	Statistical modeling of HIV spread in Blood transfusion
Indo-German conference on modeling, simulation and optimization	Technological University, Darmstadt, Germany	Darmstadt, Germany	5 th - 7 th , September, 2012	Statistical modeling of HIV spread in blood transfusion



Title of the Conference	Organized by	Held at	Date	Title of the Paper Presented
ICMSS international conference on Mathematical Sciences and Statistics 2013 - Innovation through mathematical and statistical research	University Putra, Malaysia	Kuala-Lumpur, Malaysia	5 th - 7 th February 2013	A stochastic model for the distribution of time to AIDS onset

II. National Conferences

a. Dr. Nagaraja Rao Chillale

Title of the Conference	Organized by	Held at	Date	Title of the Paper Presented
Uses of R software in Statistics	Maharani's Science College, Bangalore	Bangalore	11 th -12 th September 2014	Attended as Delegate
Statistical applications	Yuvaraja's College of Mysore University, Mysore	Mysore	26 th – 27 th September 2014	Attended as Delegate
Advances in statistical theory and applications	Department of Statistics, Bangalore University,	Bangalore	16 th -18 th November 2011	Attended as Delegate
Recent advances in the theory and applications of Statistics (National Statistics Day)	Department of Statistics, Bangalore University,	Bangalore	29 th June 2011.	Attended as Delegate
Knowledge Utsav	Jain University, Bangalore	Bangalore	28 th August 2010	A simple HIV infection model



b. Dr. M R Ramesh

Title of the Conference	Organized by	Held at	Date	Title of the Paper Presented
Uses of R software in Statistics	Maharani's Science College, Bangalore	Bangalore	11 th -12 th September 2014	Attended as Delegate
Recent advances in the theory and applications of Statistics (National Statistics Day)	Department of Statistics, Bangalore University,	Bangalore	29 th June 2011.	Attended as Delegate

c. Prof. R Prakash

Title of the Conference	Organized by	Held at	Date	Title of the Paper Presented
Uses of R software in Statistics	Maharani's Science College, Bangalore	Bangalore	11 th -12 th September 2014	Attended as Delegate
Recent advances in the theory and applications of Statistics (National Statistics Day)	Department of Statistics, Bangalore University,	Bangalore	29 th June 2011.	Attended as Delegate

III. Regional Level Conference /Workshop

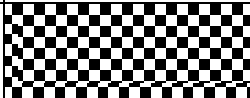
Name of the Faculty	Title of the Workshop	Organized by	Held at	Date	Title of the Paper Presented
Dr. M.R.Ramesh Dr.Nagaraja Rao Chillale Prof. R. Prakash	Use and importance of Official Statistics	Department of Statistics, Bangalore University, Bangalore	Bangalore	30 th June 2011	Attended as Delegate

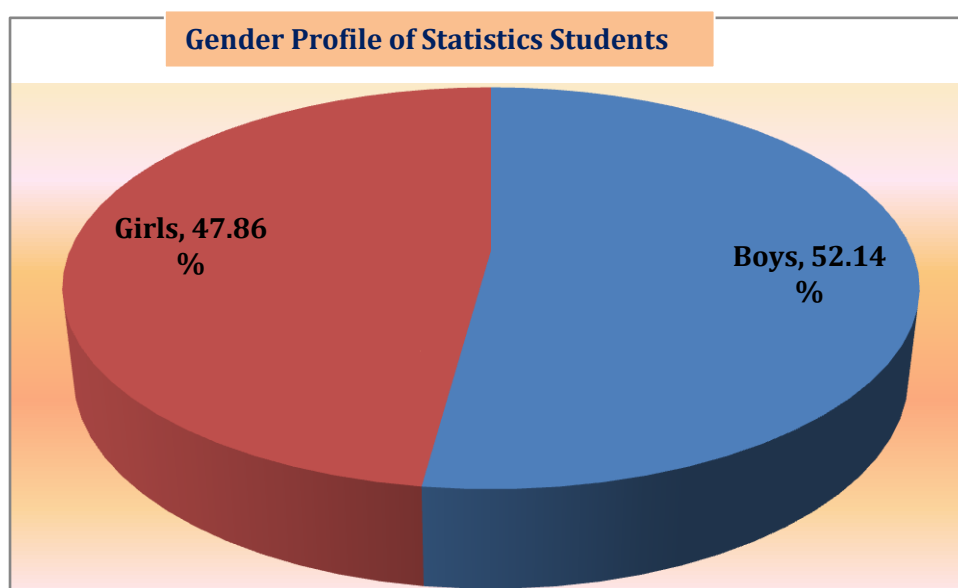


26. Student profile programme/course wise:

Year	Name of the Course / Programme	Applications Received	Selected	Enrolled in I Year		TOTAL All Years	Pass Percentage (outgoing students)
				Male	Female		
2010 - 11	B.Sc.	53	53	26	27	144	85.71%
2011 - 12		24	24	11	13	94	91.49%
2012 - 13		24	24	11	13	65	100.00%
2013 - 14		17	17	10	7	57	88.24%
2014 - 15		25	25	10	15	64	

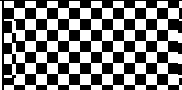
Gender Profile of Students

Academic Year	Boys	Girls	Total
2011 - 12	53	41	94
2012 - 13	31	34	65
2013 - 14	30	27	57
2014 - 15	32	32	64
Average Percentage	52.14%	47.86%	

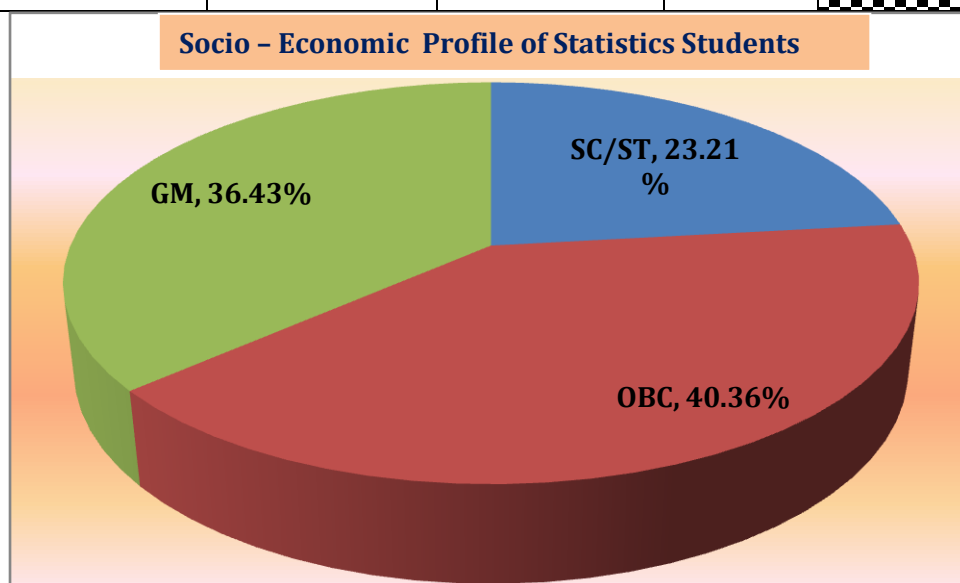




Socio - economic profile of students

Academic Year	SC/ST	OBC	GM	Total
2011 - 12	20	40	34	94
2012 - 13	13	27	25	65
2013 - 14	14	24	19	57
2014 - 15	18	22	24	64
Average Percentage	23.21%	40.36%	36.43%	

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27. Diversity of Students

Name of the Course	% of students from the same state	% of students from other States	% of students from abroad
B.Sc	98	02	Nil

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defence services, etc. :

Information not available



29. Student progression

Student progression	Against % enrolled
UG to PG	50%
PG to M.Phil.	NA
PG to Ph.D.	NA
Ph.D. to Post-Doctoral	NA
Employed	20%
• Campus selection	
• Other than campus recruitment	No data
Entrepreneurship/Self-employment	NIL

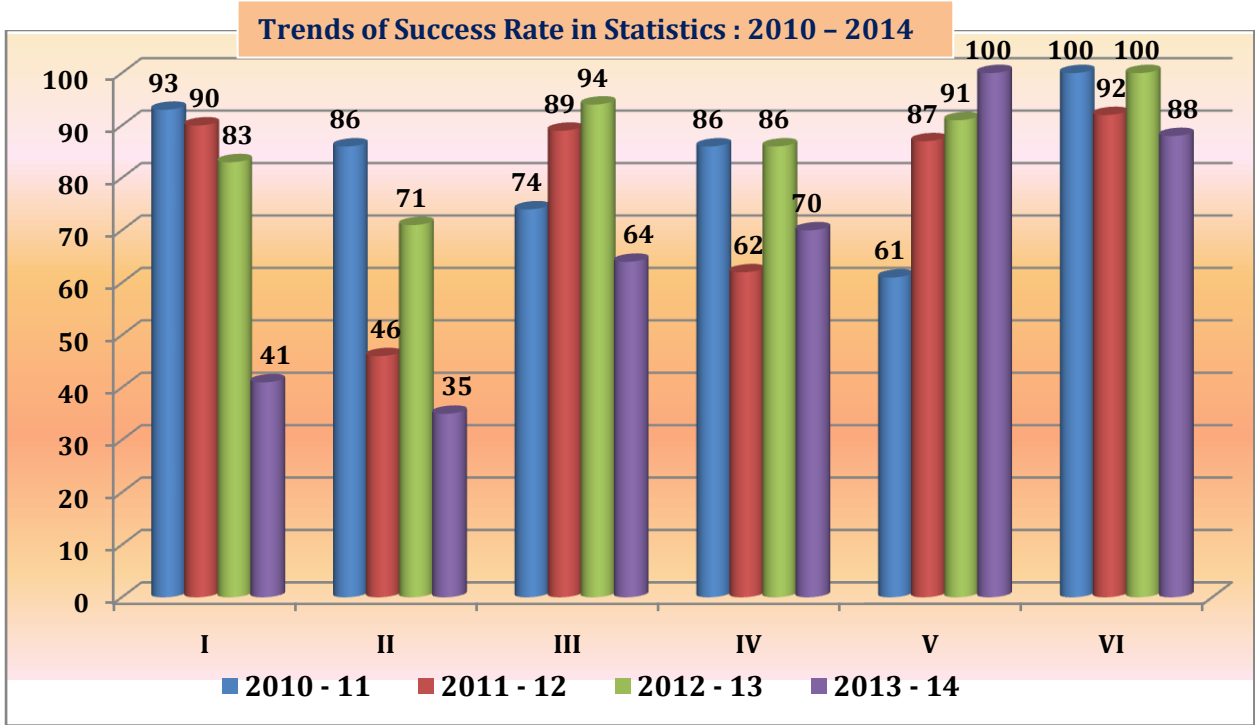
30.	Details of Infrastructural facilities	
a.	LIBRARY	
	Books Main Library	1512 Books
	Departmental Library	150 Books
b.	Internet facilities for Staff & Students	Available
c.	Class rooms with ICT facility	Available
d.	Laboratories	01
	Area of the Laboratories	900 .ft.
31.	Number of students receiving financial assistance from college, university, Government or other agencies	Data furnished under student support services
32.	Details of Student Enrichment Programmes	NIL



33. Teaching methods adopted to improve student learning
- Chalk and Talk
 - Periodic Class Tests
 - Question Bank and Assignments
34. Participation in Institutional Social Responsibility (ISR) and Extension activities:
- Participation in Environment awareness programmes, gender sensitization programmes and programmes on condemning atrocities on women and oppressed classes
 - Participation in National festivals
 - Participation in NSS and NCC programmes

I. Trend of Success Rate of Statistics Students : 2010 - 2014

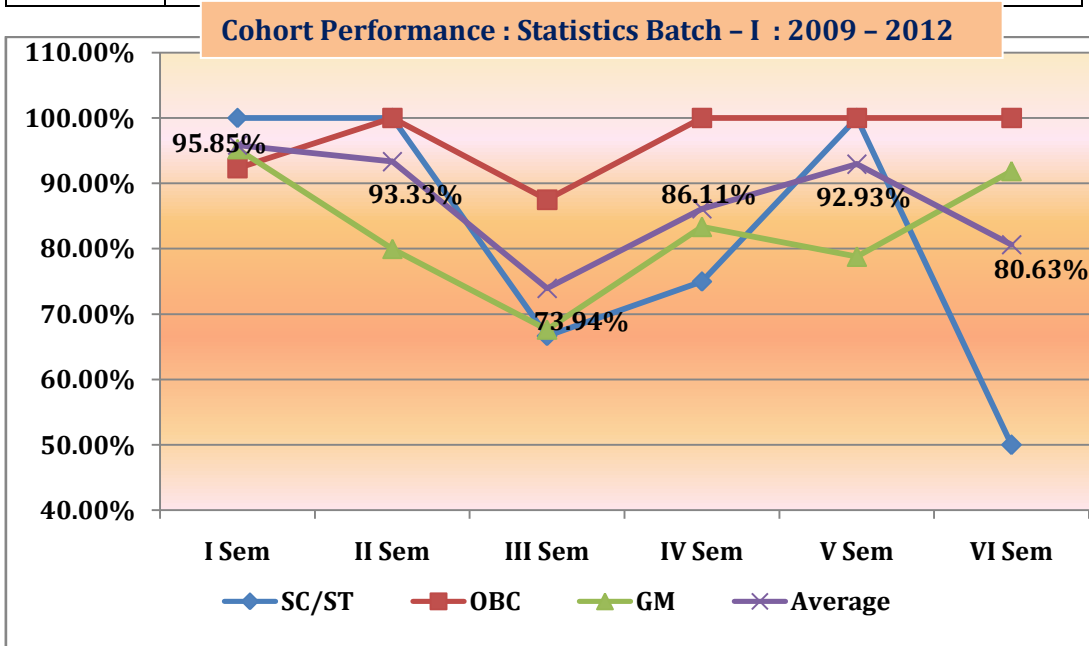
Sem	2010 - 11	2011 - 12	2012 - 13	2013 - 14
I	93	90	83	41
II	86	46	71	35
III	74	89	94	64
IV	86	62	86	70
V	61	87	91	100
VI	100	92	100	88



II. Cohort Performance of Statistics Students : 2009 - 2014

Batch - I : 2009 - 12

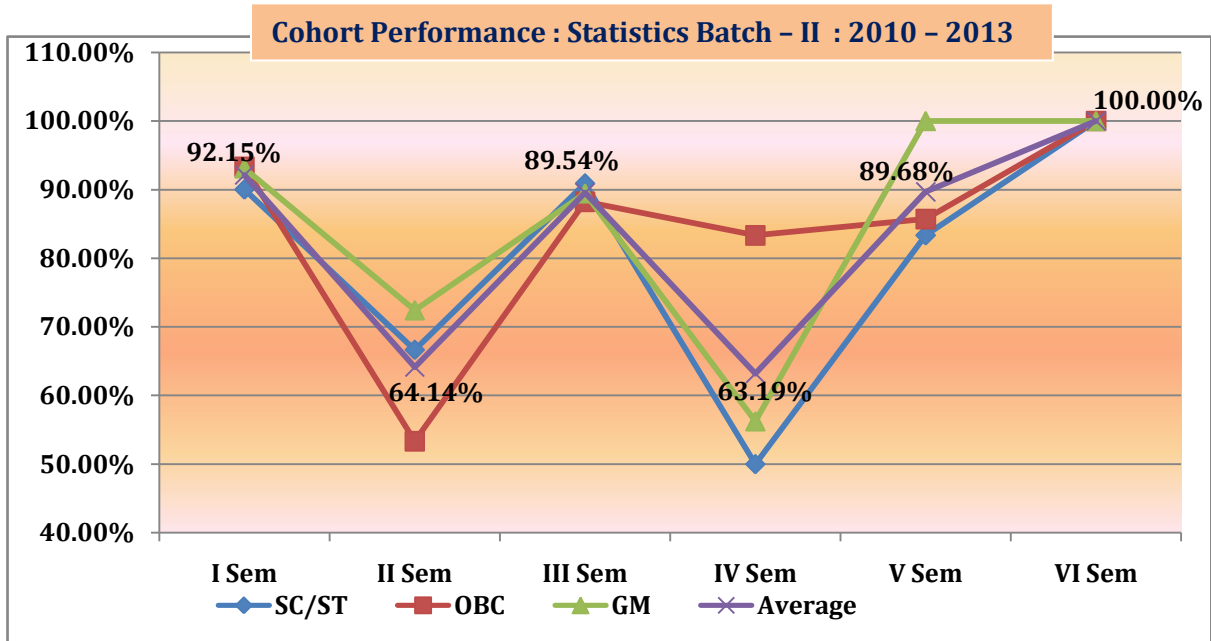
Category	I Sem	II Sem	III Sem	IV Sem	V Sem	VI Sem
SC/ST	100.00%	100.00%	66.67%	75.00%	100.00%	50.00%
OBC	92.31%	100.00%	87.50%	100.00%	100.00%	100.00%
GM	95.24%	80.00%	67.65%	83.33%	78.79%	91.89%
Average	95.85%	93.33%	73.94%	86.11%	92.93%	80.63%





Batch - II : 2010 - 13

Category	I Sem	II Sem	III Sem	IV Sem	V Sem	VI Sem
SC/ST	90.00%	66.67%	90.91%	50.00%	83.33%	100.00%
OBC	93.33%	53.33%	88.24%	83.33%	85.71%	100.00%
GM	93.10%	72.41%	89.47%	56.25%	100.00%	100.00%
Average	92.15%	64.14%	89.54%	63.19%	89.68%	100.00%

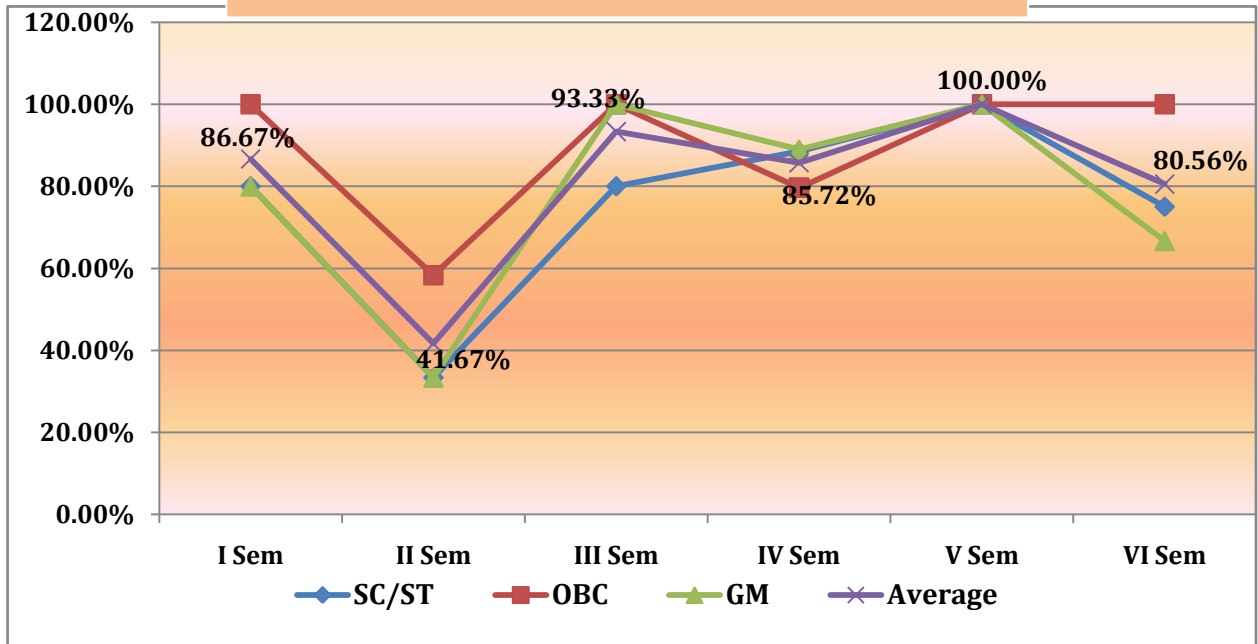


Batch - III : 2011 - 14

Category	I Sem	II Sem	III Sem	IV Sem	V Sem	VI Sem
SC/ST	80.00%	33.33%	80.00%	88.50%	100.00%	75.00%
OBC	100.00%	58.33%	100.00%	79.67%	100.00%	100.00%
GM	80.00%	33.33%	100.00%	89.00%	100.00%	66.67%
Average	86.67%	41.67%	93.33%	85.72%	100.00%	80.56%



Cohort Performance : Statistics Batch - III : 2011 - 2014



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35. SWOC Analysis

Strengths

- Good, qualified and competent teaching staff
- Good research work which is recognized well
- Well experienced staff

Weaknesses

- Student enrolment is poor
- Poor student enrolment is a demotivating factor for innovative projects

Opportunities

- Create student health database and generate statistical information for use by doctors and health workers in association with Ranga Dore Memorial Hospital
- Explore major research project
