

# National Institutional Ranking Framework

## Full Report of S. F. S. College for NIRF Ranking 2017

**Institute ID: IR17-COLL-2-19265**

**Institute Name: St. Francis de Sales College**

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## **S. F. S. College Summary**

St. Francis de Sales, the Patron Saint of the College, led a simple yet intensely spiritual life and dedicated his selfless service to people. St. Francis de Sales (S.F.S.) College was founded in 1956 and is a Religious Catholic Christian Minority Institution. The College is managed by the Nagpur Roman Catholic Diocesan Corporation (NRCDC) presided over by the Archbishop of Nagpur. It was recently reaccredited, in the third cycle, with “A” grade, CGPA 3.23. The College was started at S.F.S school, Nagpur and was shifted in 1957 to the ‘Red Building’ on Seminary Hills.

The Vision, Mission and Objectives of the institution aim at providing affordable quality education to all strata of the society irrespective of Language, Caste and Creed. The College motto ‘Truth and Love’, the College crest, the College Flag, and the College Anthem, all echo this vision, mission and objectives. It focuses on personal development of the students and staff by equipping them with various skills and contributes to the National development.

The College has a campus area of more than 10 acres. The quiet and sylvan surroundings provide an ideal atmosphere conducive to learning. The College runs Science, Arts and Commerce streams and offers a number of programmes with different subject combinations and Post graduation in Chemistry and Biotechnology.

The construction of the present College building was started in 1959 and since then infrastructural facilities have been added in planned phases. The complete College building now houses the administrative office, Laboratories, Classrooms, Auditorium, AV Hall, Seminar Hall, Library, Hostel for Boys and Girls, Gymnasium, ICT facilities, etc. Focussing on excellence, the College has now become one of the premier educational institutions of the city.

The basic amenities provided by the institution includes a canteen, water coolers for drinking water, provision of first-aid, round-the-clock security and separate wash rooms for men, lady staff members and boys, and a common room for girls. There is a gymnasium, a 400 meter athletic track, a ground for cricket, football and hockey, volley ball and basket ball courts, and a space in the multipurpose auditorium for indoor games such as badminton and table tennis. The gardens and green spaces around the building provide a joyful and pleasant atmosphere for the staff and students.

While diligently administering the university prescribed curricula and at the same time inculcating moral values through personal guidance, the College ensures that students are equipped for the present global scenario.

The Institution organizes industrial and field visits, exhibitions, debates, seminars, guest lectures, quiz and poster competitions, annual social gathering, sports day and personality development programs through subject associations/ cells for the students' overall development. These activities not only provide an input to the students about important developments in the subject, but also inculcate several valuable traits such as team work, leadership, responsibility, public speaking, etc.

At least 20% of faculties are members of Board of Studies (BOS) of the RTM Nagpur University. They play a key role in designing and structuring of University syllabi.

The Management and Principal support and motivate the staff for effective delivery of the curriculum through timely logistic support. The curriculum is reinforced through guest lectures and field visits. Additional support is received through the various schemes funded by the UGC for enhancing skills and employability of students. Environmental cell carries out activities that sensitize the students to environmental issues.

Student-centric activities pursued by the institution include orientation programmes, bridge courses, mentoring, remedial coaching, counselling, financial support, awards, feedback, and placement activities. The Training and placement Cell also facilitates the organization of campus placements. A week long training module, 'Tech-Persona' conducted by the Cell has been institutionalized as a best practice.

Outreach programs by the members of NSS, NCC, Sociology Association, Womens' Cell, etc involve the common public and spread awareness leading to social improvement, lectures on various aspects such as first aid, self defence, drug deaddiction, health, saving and insurance. Students and Staff participate in drives such as - Gender discrimination, Swachta Abhiyan, Ekta Diwas, etc organized by the College. This has increased awareness among staff and students as well as allowed the indirect stakeholders such as the Government, Police, NGOs and Public undertakings, in contributing their ideas and thus positively shaping the institution.

Special attention to students is given through conduct of Remedial courses and Student Mentoring which help them to overcome barriers in learning. Regular assessment of students is carried out through timely unit tests, preliminary examinations, field visits / home assignments and project work, etc.

The Institution is recognized as a Research Centre, it has excellent infrastructural facilities for research in terms of network and library, laboratory space, equipment and instruments.

Students are given support for learning through various scholarships and concessions available. Financial assistance to the tune of about Rs. 25 Lakhs is disbursed in the form of such aid to students every year.

Students are protected against peer and gender discrimination by the Cell

against Sexual Harassment & Gender Violation, Women's Cell, Discipline Committee, Grievance Redressal Cell, Anti Ragging Committee and Taskforce for the protection of Girl Students.

There is widespread participation of students in the College through the Students' Council activities. This adds to the development of their leadership qualities. The Alumni Association provides valuable input through its participation in College activities from time to time. Feedback regarding various aspects of the institution- infrastructural, managerial, and academic, etc. is sought from all stake holders.



**National Institutional Ranking Framework**  
Ministry of Human Resource Development  
Government of India


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## DCS Full Report ARTS

[Print](#)
**Institute ID:** IR17-COLL-2-19265

**Institute Name:** St. Francies De Sales College

**Status:** Submitted **Edited:** Edited

### Sanctioned (Approved) Intake

Academic Year	2015-16	2014-15	2013-14	2012-13	2011-12
UG [3 Years Program(s)]	580	580	580	---	---
PG [2 Years Program(s)]	52	52	---	---	---

### Total Actual Student Strength (Program(s) Offered by Your Institution)

(All programs of all years)	No. of Male Students	No. of Female Students	Total Students	Within State (Including male & female)	Outside State (Including male & female)	Outside Country (Including male & female)	Economically Backward (Including male & female)	Socially Challenged (SC+ST+OBC Including male & female)
UG	583	389	972	755	216	1	33	378
PG	8	15	23	22	1	0	0	9

### Placement & Higher Studies

UG [3 Years Program(s)]: Placement & higher studies for previous 3 years							
Academic Year	No. of first year students admitted in the year	Academic Year	No. of students graduating in minimum stipulated time	No. of students placed through campus placement	Median salary of placed graduates (Amount in Rs.)	No. of students selected for Higher Studies	
(2011-12)	312	(2013-14)	116	0	0 (Zero)	0	
(2012-13)	338	(2014-15)	136	0	0 (Zero)	0	
(2013-14)	397	(2015-16)	172	0	0 (Zero)	0	

## PG [2 Years Program(s)]: Placement &amp; higher studies for previous 3 years

Academic Year	No. of first year students admitted in the year	Academic Year	No. of students graduating in minimum stipulated time	No. of students placed through campus placement	Median salary of placed graduates (Amount in Rs.)	No. of students selected for Higher Studies
(2012-13)	17	(2013-14)	9	0	0(Zero)	0
(2013-14)	6	(2014-15)	0	0	0(Zero)	0
(2014-15)	0	(2015-16)	0	0	0(Zero)	0

## Entrepreneurship

No. of sustained spin-off companies set up over the previous 5 years (2011-2016)(Companies started by the Students/Alumni/Faculty in the institutions business incubators):

## Top University Admission Data

No. of graduating students from your institution who were admitted into Top University/Institution to pursue higher studies in the year 2015-16:

No. of PG students admitted into your institutions from Top Institution in the year 2015-16:

No. of Ph.D students admitted into your institutions from Top Institution in the year 2015-16:

Total No.of PG & Ph.D students admitted:

## Ph.D Student Details

No. of Ph.D students graduated (including Integrated Ph.D)

2015-16	2014-15	2013-14
0	0	0

## Faculty Details

	#	Name	Age	Designation	Gender	Qualification	Experience (In Months)
+	1	Dr Advait Bhagade	48	Assistant Professor	Male	Ph.D	121
+	2	Dr Albert DSouza	61	Assistant Professor	Male	Ph.D	218
+	3	Dr Dilip Sawarkar	60	Assistant Professor	Male	Ph.D	36
+	4	Dr H G Jahagirdar	58	Associate Professor	Male	Ph.D	310
+	5	Dr Joseph Benjamin	57	Associate Professor	Male	Ph.D	350
+	6	Dr K T Thomas	55	Dean / Principal / Director / Vice Chancellor	Male	Ph.D	360

	#	Name	Age	Designation	Gender	Qualification	Experience (In Months)
+	7	Dr Mrs A P Paradkar	42	Other	Female	Ph.D	218
+	8	Dr Mrs A R Hardas	54	Assistant Professor	Female	Ph.D	144
+	9	Dr Mrs N S Naqvi	48	Assistant Professor	Female	Ph.D	176
+	10	Dr Mrs P Bhattacharya	48	Associate Professor	Female	Ph.D	242
+	11	Dr Mrs R A Ingolikar	56	Assistant Professor	Female	Ph.D	96
+	12	Dr Mrs S D Wamker	59	Associate Professor	Female	Ph.D	454
+	13	Dr Mrs S Janardhan	49	Assistant Professor	Female	Ph.D	206
+	14	Dr Mrs V P Pradhan	56	Assistant Professor	Female	Ph.D	176
+	15	Dr P D Durugkar	54	Assistant Professor	Male	Ph.D	140
+	16	Dr P H Zanwar	55	Associate Professor	Male	Ph.D	350
+	17	Dr P K Sakharkar	54	Assistant Professor	Male	Ph.D	170
+	18	Dr Roy George	56	Assistant Professor	Male	Ph.D	122
+	19	Dr S B Sarve	51	Associate Professor	Male	Ph.D	300
+	20	Dr S P Landge	49	Assistant Professor	Male	Ph.D	122
+	21	Dr Sebi Joseph	54	Associate Professor	Male	Ph.D	302
+	22	Dr V B Hirulkar	53	Associate Professor	Male	Ph.D	350
+	23	Fr Praveen DSouza	41	Assistant Professor	Male	NET	37
+	24	Mr Biju A	28	Assistant Professor	Male	NET	37
+	25	Mr H M Paul	60	Associate Professor	Male	M. Phil	350
+	26	Mr H S Ahamad	41	Assistant Professor	Male	SLET	171
+	27	Mr James Minj	28	Other	Male	NET	37
+	28	Mr M M Karmakar	46	Associate Professor	Male	SLET	249
+	29	Mr Mahesh Sharma	48	Associate Professor	Male	SLET	242
+	30	Mr Rojo John	29	Assistant Professor	Male	NET	37
+	31	Mr Tinu Joseph	39	Assistant Professor	Male	NET	36
+	32	Mrs Soma Banerjee	48	Associate Professor	Female	M. Phil	242
+	33	Mrs V P Zanwar	54	Associate Professor	Female	M.Sc.(Biochemistry)	374
+	34	Ms Susan John	35	Assistant Professor	Female	SLET	122

### Financial Resources: Utilised Amount for the Capital & Operational expenditure for previous 3 years

Financial Year	2015-16	2014-15	2013-14
	Utilised Amount	Utilised Amount	Utilised Amount
<b>Annual Capital Expenditure on Academic Activities and Resources (excluding expenditure on buildings)</b>			

Financial Year	2015-16	2014-15	2013-14
	Utilised Amount	Utilised Amount	Utilised Amount
Library	157858 (One Lakh fifty seven thousand eight hundred and fifty eight)	190590 (One lakh ninety thousand five hundred and ninety)	268468 (Two lakh sixty eight thousand four hundred and sixty eight)
New Equipment for Laboratories	281577 (Two lakh eighty one thousand five hundred and seventy seven)	541584 (five lakh forty one thousand five hundred and eighty four)	370500 (three lakh seventy thousand five hundred)
Engineering Workshops	0 (Zero)	0 (Zero)	0 (Zero)
Studios	0 (Zero)	0 (Zero)	0 (Zero)
Other suitably identified academic activities	188576 (One lakh eighty eight thousand five hundred and seventy six)	169023 (One lakh sixty nine thousand and twenty three)	86160 (Eighty six thousand one hundred and sixty)
<b>Annual Operational Expenditure</b>			
Salaries (Teaching and Non Teaching staff)	56184111 (five crore sixty one lakh eighty four thousand one hundred and eleven)	54184489 (five crore forty one lakh eighty four thousand four hundred and eighty nine)	66583107 (six crore sixty five lakhs eighty three thousand one hundred and seven)
Maintenance of Academic Infrastructure or consumables, other running expenditures, Seminars/Conferences/Workshops etc. (excluding maintenance of hostels and allied services)	886281 (Eight lakhs eighty six thousand two hundred and eighty one)	1376103 (thirteen lakhs seventy six thousand one hundred and three)	1749772 (seventeen lakhs forty nine thousand seven hundred and seventy two)

## Women Diversity

No. of women members in senior administrative positions, such as Head of Departments, Dean or Institute Heads in previous academic year (2015-16):	6
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## IPR

Calendar Year	2015	2014	2013
No. of Patents Filed	0	0	0
No. of Patents Published	0	0	0
No. of Patents Granted	0	0	0
No. of Patents Licensed	0	0	0

Did your institution transferred atleast one technology in the previous three years?:

Financial Year	2015-16	2014-15	2013-14
Earning From Patents (Amount in Rupees)	0	0	0
Enter Amount in Words	Zero	Zero	Zero

## Sponsored Research Details



Financial Year	2015-16	2014-15	2013-14
Total no. of Sponsored Projects	2	1	0
Total no. of Funding Agencies	1	1	0
Total Amount Received (Amount in Rupees)	265000	45000	0
Amount Received in Words	Two Lakhs sixty five thousand	fourty five thousand	Zero

## Consultancy Project Details

Financial Year	2015-16	2014-15	2013-14
Total no. of Consultancy Projects	1	1	0
Total no. of Client Organizations	4	0	0
Total Amount Received (Amount in Rupees)	4000	1000	0
Amount Received in Words	Four thousand	One Thousand	Zero

## Executive Development Program

Financial Year	2015-16	2014-15	2013-14
Total no. of Executive Development Programs	0	0	0
Total no. of Participants	0	0	0
Total Annual Earnings (Amount in Rupees)	0	0	0
Total Annual Earnings in Words	Zero	Zero	Zero

## Facilities for PCS: Facilities of physically challenged students

1. Do your institution buildings have Lifts/Ramps?	Yes, in some of the buildings
2. Do your institution have provision for walking aids, including wheelchairs and transportation from one building to another for handicapped students?	Yes, in some of the buildings
3. Do your institution buildings have specially designed toilets for handicapped students?	Yes, in some of the buildings

## Upload Prescribed Formats

Srno	Format Name	Download
1	Consultancy Project Details (Parameter 2D)	Download uploaded format (/dcs17/Uploads/ConsultancyProj COLL-2-19265_ConsultancyProjectDetails

Srno	Format Name	Download
2	Entrepreneurship Details (Parameter 3A)	Download uploaded format (/dcs17/Uploads/Entrepreneurshi COLL-2- 19265_EntrepreneurshipDetails_
3	Executive Development Program Details (Parameter 2D)	Download uploaded format (/dcs17/Uploads/ExecutiveDevelo COLL-2- 19265_ExecutiveDevelopmentPro
4	Placement Data (Parameter 3A)	Download uploaded format (/dcs17/Uploads/PlacementData/ COLL-2- 19265_PlacementData_2016121
5	Higher Studies Data (Parameter 3A)	Download uploaded format (/dcs17/Uploads/HigherStudiesDe COLL-2- 19265_HigherStudiesData_2016
6	Sponsored Research Details (Parameter 2D)	Download uploaded format (/dcs17/Uploads/SponsoredRese COLL-2- 19265_SponsoredResearchDetai
7	Top University Details (Parameter 3D)	Download uploaded format (/dcs17/Uploads/TopUniversityDe COLL-2- 19265_TopUniversityDetails3D_2
8	Top University Details (Parameter 5D)	Download uploaded format (/dcs17/Uploads/TopUniversityDe COLL-2- 19265_TopUniversityDetails5D_2

Have you uploaded the all prescribed formats in your website/url/weblocation?:

<http://www.sfscollge.org.in/> (<http://www.sfscollge.org.in/>)

Parameter	Details of Top Universities where your graduates have been admitted for higher studies					
3D.GTOP,	S.No.	Name of the student of your institution	Graduating year of the student	PG/PhD program in where student has been admitted	Name of the top university/institutions	Year of admission
	1	S. F. S. College		Data Not Available	Data Not Available	Data Not Available

Note: Please enter data for students who have graduated in year 2015-16 from your institute and got admitted in PG/PhD program of a top institution

2. Institutions ranked as top institutions in the following ranking bodies namely India Ranking 2016, QS World Ranking 2016, THE World University Ranking 2016.

Details of Top Universities from where students have enrolled in your institution to pursue higher studies						
5D.PRCMP	S.No.	Name of student	Name of top University/Institution from where student graduated	Graduating year	Program enrolled in your institution(PG/PhD)	Year of admission
	1		Data Not Available	Data Not Available	Data Not Available	Data Not Available

Note: 1. Please enter data for students who got admitted in the year 2015-16 in your institute PG/PhD program from top institution

2. Institutions ranked as top institutions in the following ranking bodies namely India Ranking 2016, QS World Ranking 2016, THE World University Ranking 2016.

Full time Executive Programs of one year duration						
S.No.	Academic Year	Name of the program	Duration	No. of Students	Amount Received(In Rupees)	Amount received (in words)
1	2015-16	NA		1		
				2		
				3		
				..		
2	2014-15	NA		1		
				2		
				3		
				..		
3	2013-14	NA		1		
				2		
				3		
				..		

Parameter	Students opting for higher studies				
3A.GPHE	S.No.	Graduating year of the Student	Name of the University/Institutions	Number of Students admitted	Year of admission
	1	2015-16	1	Data Not Available	
			2		
			..		
	2	2014-15	1	Data Not Available	
			2		
			..		
	3	2013-14	1	Data Not Available	
			2		
			..		

Parameter	Sponsored Research Projects								
2D.FPPP	S.No.	Financial	Name of Faculty (Principal Investigator)	Name of the Funding agency	Title of the Project	Sanctioned order no.	Sanctioned date	Amount Received(In Rupees)	Amount received (in words)
	1	2015-16	1 Dr. Mrs. V. P. Pra	UGC	Effect of linear alkyl	No. F-47-951/14	20-03-2015	160000	One Lakh Sixty Tho
			2 Dr. S. Sarwe	UGC	Study of self-simila	No. F-47-900/14	20-03-2015	105000	One lakh Five Thou
			3						
			..						
	2	2014-15	1. Dr. Mrs. S. Janar	UGC	Graph theoretical n	No. F-47-1814/11	31-07-2014	45000	Fourty Five Thousa
			2						
			3						
			..						
	3	2013-14	1						
			2						
			3						
			..						

Consultancy Projects						
S.No.	Financial Year	Name of faculty (Chief Consultant)	Client Organization	Title of Consultancy of project	Amount received (in Rupees)	Amount received (in words)
1	2015-16	1 Dr. Mrs. Ashwini Paradkar	Dhanawate National College	Institutional Repository Cre	1000	One Thousand Only
		2 Dr. Mrs. Ashwini Paradkar	Hislop College, Nagpur Mar	Institutional Repository Cre	1000	One Thousand Only
		3 Dr. Mrs. Ashwini Paradkar	Sevadal Mahila Mahavidyal	Institutional Repository Cre	1000	One Thousand Only
		4 Dr. Mrs. Ashwini Paradkar	Mahila Mahavidyalaya, Nag	Institutional Repository Cre	1000	One Thousand Only
2	2014-15	1 Dr. Mrs. Ashwini Paradkar	Mohota Science College, Na	Institutional Repository Cre	1000	One Thousand Only
		2				
		3				
		..				
3	2013-14	1				
		2				
		3				
		..				



Parameter	Placement							
3A.GPHE	S.No.	Academic Year	Name of the Company	No of students recruited	Minimum salary offered	Maximum salary offered	Average salary offered	Median salary offered
	1	2015-16	1	0				
			2					
			3					
			..					
	2	2014-15	1	0				
			2					
			3					
			..					
	3	2013-14	1	0				
			2					
			3					
			..					

Parameter	Entrepreneurship			
3A.GPHE	S.No.	Name of the Student/Alumni/Faculty entrepreneur	Graduating year(applicable for student/alumni)	Name of the company incubated
		NA	NA	NA

# January to December 2016

## International Journals

1. Bhagade, Advaita, & Zanwar Prakash. (2016). Study of opportunistic sexual behaviour of male in giant wood spider *Nephila Pilipes*. *International Journal of Plant, Animal and Environmental Sciences*, 6(3), 1- 5.  
ISSN 2231-4490
2. George, Roy. (2016). Molar Refraction & Polarizability of an antimatic drug 4-amino5-chloro2- methoxy benzamidehydrochloride. *Journal of Applied Pharmaceutical Science*, 6 (3), 120-124.  
ISSN : 2231-3354
3. Ingolikar, R. A. (2016). Star Classification using tree based data mining Techniques. *IOSR Journal*  
ISSN2278-8727
4. Janardhan, S. (2016). Zeeman like Topologies in special General Theory of relativity. *Jour. Of Modern Physics*. April 2016 DOI: [10.4236/jmp.2016.77063](https://doi.org/10.4236/jmp.2016.77063)  
ISSN (P): 2153-1196 ISSN(ON LINE): 2153-120 X
5. Zanwar, Prakash., (2016). Qualitative & quantitative Phytochemical screening of *Rumex nephalensis spreng.* *NH Research Journal of multidisciplinary studies*, 1(1), 25-29  
ISSN: 2454-3780
6. R. A. Kale, P. H. Zawar (2016) "Isolation and Screening of Cellulolytic Fungi" *IOSR Journal of Biotechnology and Biochemistry (IOSR-JBB)* 2(6) Part: II 57-61  
ISSN: 2455-264X,
7. Bagde, P., & Thomas, K. (2016). On non-vacuum static spherically symmetric solution in f(R) theory of gravity in V5. *International Journal of Mathematics and its Applications*.3(4F). 73-77 <http://ijmaa.in/v3n4-f.html>  
ISSN: 2347-1557

## Chapters in Books/Conference Proceedings

8. Ahamad, Halim S. Rise of Smartphone: A new tool for ICT learning in Higher Education . *Proceedings of NAAC Sponsored National Seminar*  
ISBN: 9788192681382
9. Benjamin, Joseph. (2015). Internationalization of tertiary education . *Proceeding of International Conference. Mauritius*.  
ISSN 1694-1160

## BOOKS

10. Jahagirdar, H., & Hardas, A., Ghatbandhe, A., Borkar, A., & Meshram, VI. (2016). *A textbook of Chemistry B.Sc. Semester- VI*. Nagpur: Himalaya. 978-93-5262-036
11. Naqvi, Nikhat. (2016). *Practical manual of Botany Sem II*. Nagpur: G C 978-93-82962-88-5

## January to December 2015

### National Journals

12. Banerjee, Soma. (2015). Approaching the storm scene in King Lear from an ecocritical perspective. *Rainbow*, 1, 44-50. ISSN: 2394-6903
13. Banerjee, Soma. (2015). Anything for you dear readers: The phenomena of the Indian Campus Novel *Rainbow*, 30-35 ISSN: 2394-6903
14. Bhattacharyya, P. (2015). Architecture in ancient India. *Rainbow*, 1, 123-126. ISSN: 2394-6903
15. Bhattacharyya, P. (2015). The provisional election of 1937 & its impact on the congress league relationship. *Rainbow*, ISSN: 2394-6903
16. Khekare, S., & Janardhan, S. (2015). Stability analysis of a vector-borne disease model with nonlinear and bilinear incidences. *Indian Journal of Science and Technology*, 8(13), 1-6. doi: 10.17485/ijst/2015/v8i13/58749 <http://www.indjst.org>

### International Journals

17. Ahamad, H., Lanje, N., Darokar, S., Bankar, S., Bisht, D., & Rewatkar, G. (2015). Synthesis and dielectric characterizations of BIFeO<sub>3</sub> by solid state method. *International Journal of Research in Biosciences, Agriculture & Technology*, 3(2), 345-347. <http://www.vmsindia.org/journals/ijrbat>
18. Bagde, P., & Thomas, K. (2015). On principal invariants in canonical coordinate system in V<sub>5</sub>. *Prespacetime Journal*, 6(4), 256-268.

19. Benjamin, Joseph. (2015). Dr. B.R. Ambedkar: an Epitome of social justice. *Pradnya Sanket, Int. Multi-dis. Research Journal*. 1, 24-31.  
ISSN- 2455-0469
20. Bhagade, A. (2015). A study on the bioaccumulation of naphthalene in a few tissues of *Puntius ticto*. *International Journal of Biological & Pharmaceutical Sciences*, 2(3), 62-69.  
doi: 15.1026/BR242046052
21. Bhagade, A. (2015). Bioaccumulation study of anthracene in a few tissues of *Rasbora daniconius*. *International Journal of Innovation Sciences and Research*, 4(7), 299-303.  
<http://www.ijisr.com>
22. Bhagade, A. (2015). Pathological effects of PCB 126 on kidney tissue of *puntius ticto*. *International Journal of Plant, Animal and Environmental Sciences*, 5(2), 86-89.  
[www.ijpaes.com](http://www.ijpaes.com)
23. Deosarkar, S., Pawar, M., Sawale, R., Haradas, A., & Kalyankar, M. (2015). Solvent effects on molar refraction and polarizability of 4-amino-5-chloro-N-2 (diethylamino ethyl)-2 methoxybenzamide hydrochloride hydrate solutions at 30<sup>0</sup> C. *Journal of Chemical and Pharmaceutical Research*, 2(5), 1107-1110. <http://jocpr.com/vol7-iss5.html>.
24. Deshpande, S. & Sawarkar, D. (2015). Some observations on human and non-human resource waste in higher education. *International Journal of Researches in Social Science and Information Studies*, 1(3), 165-172.  
<http://vmsindia.org/journals/ijrsitm/past-issue-ijrsitm>
25. Ingolikar, R., & Gedam, S. (2015). Application of mining techniques to classification of star. *International Journal of Advance Research in Computer Science and Management*, 3(9) 153-157. [www.ijarcsms.com](http://www.ijarcsms.com)  
eISSN: 2321-7782
26. Ingolikar, R., Khandal, R., & Mohare, R. (2015). Comparison of HDBMS, NDBMS, RDBMS and OODBMS. *International Journal of Advanced Research in Computer Science and Management Studies*, 3(6), 119-125
27. Ingolikar, R., Khandal, R., & Mohare, R. (2015). Generalized algorithm for the proposed database model. *International Journal of Innovative Research in Computer and Communication Engineering*, 3(9), 8536-8543. [www.ijircce.com](http://www.ijircce.com)  
eISSN: 2320-9801
28. Ingolikar, R. A. (2015). Model for spectral classification. *International Journal of Engineering & Computer Science*, 4 (12), 15226-15228.
29. John, S., Joshi, A., & Moharil, S. (2015). Image enhancement and noise filtering by using extended fast fourier transformation algorithm. *International Journal of Research*

in *Biosciences, Agriculture & Technology*, Special Issue (2), 277-280.  
<http://www.vmsindia.org/journals/ijrbat>

30. Khekare, S., & Janardhan, S. (2015). Applications of graph theory in landscape ecology models. *International Journal of Mathematical Sciences And Engineering Applications*, 9(II), 47-55. <http://www.ascent-journals.com>
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