

Annual Academic Report
Sinhgad College of Science
(2015-2016)

Dr. Deepa Ramane
ACADEMIC COORDINATOR

Dr. Magan P. Ghatule
PRINCIPAL

Internal Quality Assurance Cell
Sinhgad College of Science, Pune

Vision:

Systematic development through quality education which should evolve, enhance and transform academic excellence.

Objective:

- To plan and execute a quality enhancement program for holistic development of the students.
- To conduct the activities to support the curriculum of Savitribai Phule Pune University.
- To stimulate the academic environment for promotion of innovative quality-based teaching and learning.
- To motivate the students and staff for quality-related research studies.
- To embark on a future world through Training and Placement Cell, Career Counselling cell and entrepreneurship cell.
- To imbibe the values in our students towards social responsibilities.

Strategic Plan 2015-16

- To upgrade the classroom with ICT facilities
- To encourage the staff for higher education
- To modernize hardware, software and allied IT facilities according to increasing needs
- To review evaluation system and execute more programs for attainment of outcome
- To give support for digitization of administration
- To enhance extension activities and student welfare schemes
- To enrich Training and Placement cell

Dr. D.V. Ramane
Academic Coordinator

Dr Magan P. Ghatule
Principal

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CURRICULAR REPORT

1. **Student Strength:** Program wise students' strength for academic year 2015-2016 .

A] Undergraduate Programs

Sr. No.	UG Program	Intake	Students Admitted
1.	Bachelor in Commerce (B.Com.)	720	642
2.	Bachelor in Business Administration (BBA)	480	466
3.	Bachelor in Business Management (BBM)	240	187
4.	Bachelor in Computer Application (BCA)	480	380
5.	B.Sc. (General)	720	221
6.	B.Sc. (Biotech)	135	115
7.	B.Sc. (Computer Science)	480	439

B] Postgraduate Programs

Sr. No.	PG Programs	Intake	Students Admitted
1.	M.Sc.(Computer Science)	120	110
2.	M.Sc.(Microbiology)	48	48
3.	M.Sc.(Petroleum technology)	48	30
4.	M.Sc.(Geo-informatics)	48	9

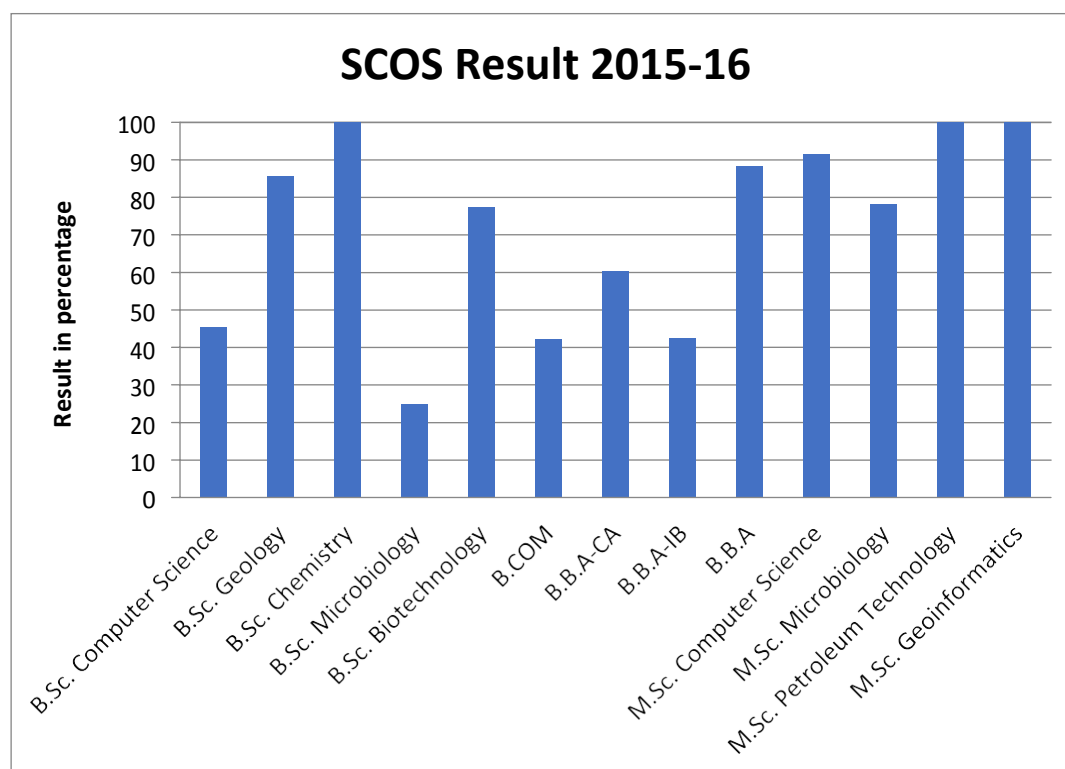
2. **Teaching Faculty:** Department wise number of teaching faculties in the college

Total No. of teaching faculty: 67

No. of permanent faculty with Ph.D. -15

3. University of Pune Results for the Academic Year:

Sr. No.	Title of the Program	Total no. of students appeared	Number of students Pass in final year	Passing Percentage
1.	B.Sc. Geology	14	12	85.71
2.	M.Sc. Petroleum-Technology	23	23	100.00
3.	M.Sc. Geo informatics	09	09	100.00
4.	B.Sc. Microbiology	08	02	25.00
5.	M.Sc. Microbiology	23	18	78.26
6.	B.Sc. Chemistry	06	06	100.00
7.	B.Sc. Computer Science	108	49	45.37
8.	M.Sc. Computer Science	48	44	91.66
9.	BBA	139	123	88.48
10.	BBA(CA)	73	44	60.27
11.	BBM (IB)	33	14	42.42
12.	B.Com.	154	65	42.20
13.	B.Sc. Bio-technology	22	17	77.27



4. Industrial/Study Visits Organized by college for students:

Sr. No.	Course and Class	Place of visit
1.	F.Y. B.Sc. Botany	Hi Teck Agriculture college
2.	S.Y. B.Sc. Botany	Kas Pathar
3.	S.Y. B.Sc. Microbiology	Melhemikos Biogas
4.	T.Y. B.Sc. Geology& M.Sc. Petro technology	Sangamer&TamhiniGhat
5.	F.Y. B.Sc. &M.Sc. Petro technology	Sinnar and Sangamner
6.	TY BBA	Amul Dairy Plant
7.	TY BBA-IB	Havmore Ice Cream Ltd.
8.	SY BBA	A.P Industries Kisan Foods.
9.	SYBBA-IB	Coca-Cola.

5. Guest lecturers Organized by college for students:

Sr. No.	Name of guest	Topic	Department and Class	Date
1.	Dr. Jayant Londhe	Microbiological application in biotechnology	B. Sc. _ Microbiology	08-01-2016
2.	Dr. Bhalbha Vibhute	Inspirational Talk	B. Sc. _ Microbiology	07-09-2015
3.	Dr. Prachi Rawal	Plant diversity in western ghat region	B. Sc. _ Microbiology	02-09-2015
4.	Mr. Dhiraj Agarwal	How to improve concentration and confidence using meditation	B.Sc. and M.Sc. Computer Science	16/07/15
5.	Monika More	career opportunities in life sciences	B. Sc. _ Microbiology	08-08-2015
6.	Zahir Kapasi	How to create opportunity	B. Sc. Microbiology	13-08-2015

6 Certificate/Value added workshop arranged:

Sr. No.	Name of program	Duration	Department
1.	Student Training Program for BBA and BBA-IB	9 hours	Commerce
2.	Student Training Program for B.Com	3 hours	Commerce
3.	Student Training Program for BBACA	10 hours	Commerce
4.	Harvard Case Studies	3 hours	Computer
5.	IIT Bombay MOOC (Massive Open Online Course) Linux,	2 hours	Computer
6.	Hands on training on PHP and My Sql along with IIT Bombay MOOC	40 hours	Computer
7.	IIT Bombay MOOC - C and C++, JAVA	4 hours	Computer
8.	IIT Bombay MOOC Advance C	2 hours	Computer
9.	Workshop on embedded system	12 hours	Computer

CO-CURRICULAR REPORT

1] Research Activities

A. Papers published

Sr. No.	Author/s	Title of paper	Department	Name of journal	ISSN number
1.	Dr. Deepa Ramane	Beam Shaping of LED Luminaries using Condenser Lens	Computer Science	International Journal of Research in Advent Technology India	IJRT,EISSN: 2321- 9637
2.	Mrs. Varsha Kulkarni	Isolation of Bioluminescent Bacteria and Their Application in toxicity testing of Chromium in water	Microbiology	International journal of current microbiology and applied sciences	ISSN: 2319-7706
		Phytochemical Screening and Antimicrobial Activity of Stevia rebaudiana Leaves			ISSN: 2319-7706
3.	Dr. Meena Vankudre	Laboratory efficacy of Pseudomonas fluorescens metabolites on mosquito larvae	Microbiology	Biosci. Biotech. Res. Comm.	8(1): 70-73 (2015 ISSN: 2321- 4007)
4.	Dr. Abhijit Purude	Total synthesis of (R)-lipoic acid and (S)-lipoic acid via an Mn (III)-salen catalyzed Oxidative kinetic resolution	Chemistry	Tetrahedron: Asymmetry	Tetrahedron Asymmetry ; 26, 5-6; 281-287; 2015 ISSN: 0957-4166

B. Books Published by Faculties

Sr. No.	Author/s	Title of book	Department	Name of Publication	ISBN number
1.	Dr.MaganP. Ghatule	ENGINEERING PHYSICS' 3rd Edition	Computer Science	Tech Max Publication, Pune	ISBN:978-93-5077-852-4
2.	Dr. Deepa Ramane	Principles of Digital Electronics		Success Publication, Pune	ISBN:978-93-85526-20-6
		Digital System Hardware			ISBN:978-93-85526-34-3
3.	Mr.Imran Patel	Biochemical and Biophysical Techniques –	Bio-technology	Vision Publication, Pune	ISBN:978-93-5016-356
4.	Dr. Neha Dixit	Business Law	Commerce	Success Publication, Pune	ISBN :978-93-5158-306-6
5.	Dr. Deeapli Bhoskar	Object Oriented Software Engineering (T.Y.B.Sc. Comp. Sci)		Nirali Prakashan, Pune	ISBN: 978-93-5164-561-0
		Object Oriented Software Engineering (T.Y.BCA)			ISBN: 978-93-5164-645-7

C. Research Projects

Sr. No	Name of Principal Investigator	Duration	Name of the research project	Fund received (Rs)	Name of funding agency	Department
1.	Mrs. Kulkarni Varsha Shivaji	2014-2016	Study of Mutha river water for correlation between hospital effluents and development of multiple drug resistant ;MDR) bacteria	Rs. 1,80,000/-	BCUD, UOP, Pune	Microbiology
2.	Mrs. Manali Patil		Awareness of Cybercrime amongst youth	Rs. 50,000/-		Commerce
3.	Dr.Abhijet Purude		Synthetic Studies Towards HMG CoA Reductase Inhibitor A Statin Drug Intermediate	Rs. 2,00,000/-		Chemistry
4.	Dr.Deepa Ramane		Wireless sensor based irrigation system using virtual instrument	Rs. 2,50,000/-		Computer Science (Electronics)

D. Conferences/Workshops organized:

➤ **National – Level:**

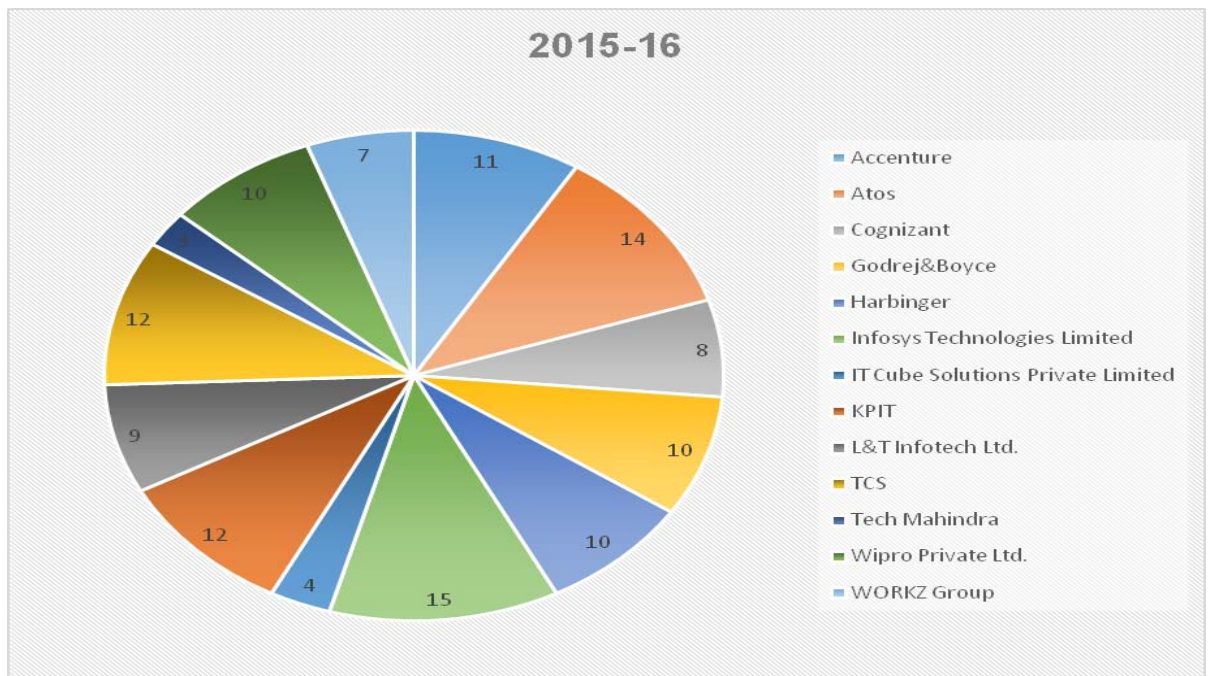
- Two days Conference on “Innovative Research in Life Sciences” on 26 -27 February 2016

➤ **State – Level:**

- Two days’ workshop on “Methodologies and Applications of Hydrogeology in Groundwater Resource Management” on 21 -22 December 2015
- Two days’ workshop on “Advances in embedded System” on 24-25 February 2016

Placement report:

Sr. No.	Placed Student	Qty.
1.	Total No. of Students Placed	125
2.	Total No. of Students Placed (On Campus)	79
3.	Total No. of Students Placed (Off Campus)	46



EXTRA-CURRICULAR ACTIVITIES

1) Women empowerment activities:

A one-day workshop on “Girls personality development” was organized on 25th September 2015 for the girl students. The aim of the workshop was empowerment of ladies by self-defense, excellent health and making them competent. The workshop was divided in three segments

1. Women security: Women security lecture by Mr. Machindra Chavan, Sr. Police Inspector, Bharti Vidyapeeth Police Station, Pune.
2. Zumba exercise: Zumba exercise by Mr. Sanket Gandhi, Instructor
3. Cake making: Cake making was conducted by Mrs. Sheetal Kul and Mrs. Pallavi More, SCOS

2) NSS

- Organized Orientation for First year NSS Participants held on 16 July 2015.
- Celebrated International Yoga Day at SCOS on 21st July 2015.

NSS Cadets and staff carried out tree plantation on Institute Foundation Day and Independence Day. Around 150 trees were given to students of Sinhgad College of Science.

- Organized a Book, Toys and Clothes donation camp from 11th August to 22nd August 2015. Around 250 Toys, 238 books and 723 cloths were collected which were donated to tribal's of Nandurbar District in collaboration with an NGO 'Sammrudham Foundation'.
- Celebrated Teachers Day on 5th September, 2015.
- Organized the alumni meet, the motto of the meet was to help drought affected farmers. NSS students collected donation for drought affected farmers from staff, students and NSS alumni students at College. The collected money was donated to NAAM Foundation.
- Traffic awareness event was organized on Republic Day.
- Polio Vaccination drive was conducted on 17th January 2016 at Sinhgad Road, Pune from 8.00 am to 5.00 pm.
- Plastic Mukta Abhiyan was held in the campus.
- NSS cadets participated in “Youth Rally Event” conducted by SPPU.

3. Achievements:

1. Sports activities at university/state/national / international level

Sr. No.	Name of the award/ medal	Team / Individual	University/State/ National/ International	Name of the student
1.	Second in 43 rd Cadet and Jr Maharashtra Judo Cham 15-16.	Individual	State	Shubham Shilimkar
2.	Participated in 26 th Senior Maharashtra State Fencing cham 2015	Individual	State	Prafulla Jagtap
3.	Participated in 3 rd Youth Maharashtra State Fencing cham 2015	Individual	State	Prafulla Jagtap
4.	Second in SPPU Inter Collegiate Power Lifting	Individual	University	Aniket Nagane
5.	Second in SPPU Inter Collegiate Athletics (High Jump)	Individual	University	Dhiraj Bankar
6.	First in SPPU Inter Collegiate Fencing (Epee)	Individual	University	Prafulla Jagtap
7.	First in SPPU Inter Collegiate Judo	Individual	University	Shubham Shilimkar
8.	First in SPPU Inter Collegiate Tennis	Individual	University	Chogule Aditya

3. Cultural activities at university/state/national / international level

Sr. No.	Name of the award/ medal	Team / Individual	University/State/ National/ International	Name of the student
1.	First in Vakta Maharashtra cha	Individual	State	Nagarkar Nikhil Shubhash
2.	Third in rajyastaryiyaantarmahavidyalayenvakrutvaspardha	Individual	University	
3.	First in rajyastaryiyvakrutvaspardha	Individual	State	
4.	First prize in kai. Bhaskarrao pa. gelande smrutivakrutvaspardha	Individual	University	
5.	Third in National Elocution Competition	Individual	National	
6.	First in comrade Eknathraobhagvatsmrutik arandak	Individual	University	
7.	Second in Debet competition	Individual	State	

4. Sports and Cultural activities organized by college:

- SINHGAD SPORTS KARANDAK (Football, Basketball, Kabaddi, Volleyball, Cricket, Table Tennis, Lawn Tennis, Badminton, Athletics, Swimming, & Chess.
- Ganesh Festival
- Navratri: Dandiya-2015
- SINHGAD KARANDAK NEON (Fashion Show, Mr & Miss Sinhgad, Solo & duet Singing, Solo and Group dance and Stage play.

PHOTOGALLERY

Induction Program for newly admitted students



Dr. Ghatule Felicitating the Chief Guest Dr. Deepa Ramane Felicitating the Alumni

Teacher's Day Celebration



One Day Workshop On Organic Farming and Aquaculture: Current Status & Future Prospects 23rd December 2015



Felicitation of Speakers



Participants with Mr. Dyaneshwar Bodke at Abhinav Farmers Club, Mand, Near Hinjewadi.



Glimpses of Guest Lecture

"Calculus" 4 January 2016

Astrophysics and Astrobiology by Mr. Anay Shendey on 23/08/15

NATIONAL CONFERENCE ON "INNOVATIVE RESEARCH IN LIFE: 26-27 February 2016 SCIENCES"

<p>Sinhgad College of Science Ambegaon (Bk), Pune-41 IRLS-2016 Date: 26 & 27 February 2016</p> <p>Registration Form</p> <p>Name: _____ Designation: _____ Category: Industry/Academician/Student Institute/Organization: _____ Address: _____ Ph.No:(O) _____ (R) _____ Email: _____ Mode of Presentation: Oral / Poster / Participant Topic of Poster/Paper: _____</p> <p>Accommodation: Yes / No: Amount: _____ Payment Mode: Payment for registration/accommodation may be sent as DD drawn by name of "Sinhgad College of Science" payable at Pune from any Nationalized Bank DD No. _____ Date: _____ Bank & Branch: _____</p> <p>Signature of Applicant: _____ ("Please use the photocopy of the form if required")</p>	<p>CHIEF PATRONS</p> <p>Hon. Prof. M. N. Navale Founder President, STES, Pune Hon. Dr. Mrs. Sunanda M. Navale Founder Secretary, STES, Pune Hon. Mrs. Rachana M. Navale-Ashtekar Vice President (Admin), STES, Pune Hon. Mr. Rohit M. Navale Vice President (HR), STES, Pune</p> <p>PATRONS</p> <p>Dr. Magan P. Ghatule Principal, SCOS, Ambegaon (Bk.), Pune Dr. Makrand Wazal Principal, SCOC, Kondwa, Pune Dr. Shrikant Deshpande Principal, SKNCO, Erandwane, Pune Dr. Sampada Joshi Principal, SCOC, Narhe, Pune Dr. Urmila Patil Principal, NBNCO, Lonavala, Pune</p> <p>CO-CONVENER</p> <p>Dr. Deepa Ramane Academic Dean, SCOS, Pune Dr. Suman S. Sheelavantmath Head, Dept. of Biotech & ARC, SCOS, Pune</p> <p>ORGANIZING SECRETARY</p> <p>Mrs. Varsha Kulkarni Head, Dept. of Microbiology, SCOS, Pune</p> <p>COORDINATORS</p> <p>Dr. Abhijet Purude Head, Dept. of Chemistry, SCOS, Pune Dr. Rupali Kanade Head, Dept. of Mathematics, SCOS, Pune</p>	<p>National Conference on Innovative Research In Life Science (IRLS) Date: 26 & 27 February 2016</p> <p>Under Quality Improvement Program (BCUD) Savitribai Phule Pune University</p> <p>CONVENER Dr. Magan P. Ghatule Principal, Sinhgad College of Science</p> <p>Organized by Sinhgad College of Science S.No. 3915 & 3916 Off. West, Kurla-Sydney Highway, Ambegaon (Bk), Pune-41 (Maharashtra, India). Phone: (020) 2441173 / 2416171; Mob: 9227349941.</p>
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A two-day workshop on "MATLAB" 22- 23Feb 2016



Address by Dr.M.P.Ghatule

Hands on trainingby



T.Y. Biotechnology students visit to Sula Wine, Nashik (21-22 January 2016)



Girls Personality Development Workshop 2015-16



INAUGURATION

A] WOMEN SECURITY: MR. MACHINDRA CHAVAN



B) ZUMBA DANCE: SANKET GANDHI



C) CAKE Making: Mrs. Sheetal Kul



NSS

Orientation for First year NSS Participants (2015-16)



International yoga day 2015-2016 at SCOS & SPPU



Tree Plantation Event for student



Tree Plantation Event for staff & Independence Day celebration



Toys, book & Cloth Donation



Teacher's Day celebration



NSS Alumni meet organized



Republic day celebration "Traffic awareness events"



Polio vaccination Camp 17th January 2016



Plastic Mukta Abhiyan



Youth rally Event



CULTURAL ACTIVITIES

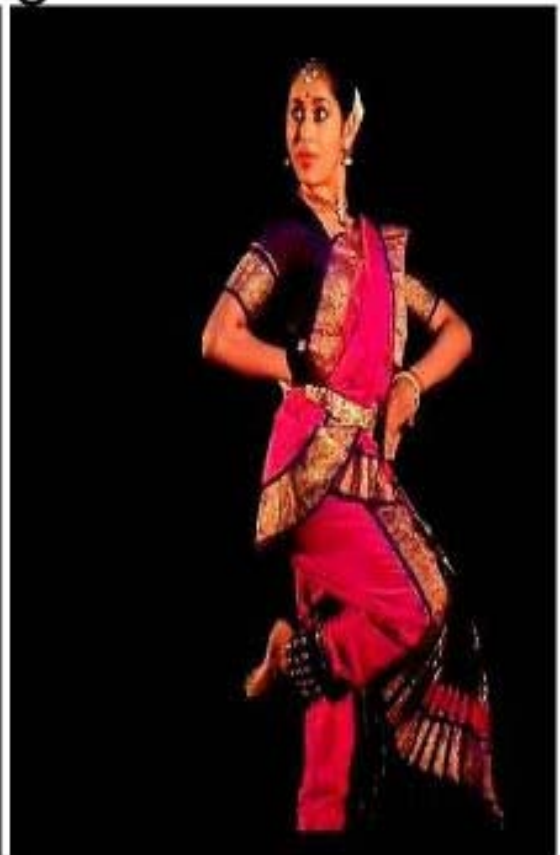
Art Mela 2015



Sarpotdar Karandak2015



Mood Indigo2015



PURSHOTTAM KARANDAK 2015



Fashion Show



SPORTS

