



CHILDREN'S EDUCATION SOCIETY (REGD.)

THE OXFORD COLLEGE OF SCIENCE

Annual Report

2018-19

CHILDREN'S EDUCATION SOCIETY (REGD.)



“VIDYA SARVATRA SHOBHATE”

The logo statement envisions the knowledge to one and all for better future. The Institution stresses the importance of nourishing young minds with enough food for thought, sensitizing them to the socio economic realities thereby energizing them to work for bright and prosperous tomorrow.

Goddess Saraswathi the repository of knowledge or "Vidya" stands for the overall development of the student's personality that results from an ideal combination of values, knowledge and skills.

VISION



“To participate in the nations, march towards a knowledge society by nurturing intellectual growth and sound value systems in students through science education”



MISSION



To realize the empowering and ennobling aims of education through scientific knowledge and research by providing an excellent learning environment with emphasis on values.



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Founder Chairman

Late Sri S. Narasa Raju
(05.06.1941-16.05.2016)

"Coming together is a beginning; keeping together is progress; working together is success".

The Oxford College of Science has adopted a dynamic creative and the communicative approach in education research and development. Since science converse the broad field of knowledge that deals with observed facts and relationships among these facts, faculty aims at facilitating the opportunities for the students and helps them to explore the world of these facts and their relationships. Keeping Abstract of modern developments, the college is constantly restructuring itself and renovating its physical infrastructure as well as research and education facilities. Our aim is to motivate and empower the students to be learners and critical thinkers throughout their lives.



Sri S.N.V.L. Narasimha Raju
Chairman, The Oxford Educational Institutions



"Education is not the filling of a pail, but the lighting of a fire".

Purpose of our institution is to transfer knowledge and prepare young generation to participate in the nation's march. The Oxford College of Science in its long journey cherishes the effort laid by the management, faculty and students to achieve exemplary credits in the annals of education. The institution is committed to provide quality education in an enviable environment built with diligence, perseverance and excellence. Annual College Report is humble step towards showcasing the earnest efforts of the management, faculty and the students during the academic year. I wish all the success to the faculty and the students in their future prospects.

Dr. R. Kavyashree
Principal, The Oxford college of Science

COLLEGE PROFILE



RECOGNITION:

- Accredited with A grade by NAAC in Cycle II Recognized by IAO
- Recognized by UGC -2(f) and 12(B) status Bangalore University – Permanent Affiliation Approved by AICTE
- Accredited by LSSSDC

ACCOMPLISHMENTS

Supported by DST under FIST program

Recognized Centre of Biotechnology Skill Enhancement Program

Recognized as Research Centre by Bangalore University

Received Fund to strengthen Research facility DST, GOI

Women Scientists Scheme (WoS-A), DST, GoI

Centre of Innovative Science Education (CISE)

Karnataka Fund for Infrastructure in Science & Technology (K-FIST)

Seed Money for Young Scientist Research (SMYSR)

Small Projects in College Education (SPiCE)

Ranked No. 7 in Karnataka - MDRA survey- India Today

Ranked No. 6 in Karnataka – Hansa Research survey- The Week

Dept of Biotechnology ranked No. 1 in Karnataka by Biospectrum

HIGHLIGHTS

11 University ranks with 80% graduation rate

693 students provided with The Oxford Merit Scholarship

799 students provided with The Oxford Unnati Scholarship

99 faculty members were provided with financial support under Research promotion scheme

86 faculty members attended various Professional Development Programs

19 non-teaching staff participated in Staff Training Program

Best Teacher Award for the faculty for outstanding contribution in the field of teaching

Best Employee Award for excellent performance

7 MoUs/Collaborations were signed and executed

Kottagalu Gram Panchayath honored our NSS unit with the “Best Unit award” on 23.3.2019.

Kottagalu Gram Panchayath honored Mr. Mariswamy N as “Best NSS officer”

Overall 70% Placement and progression rate

GLIMPSES OF ACADEMIC EVENTS 2018-19

- **The National Conference on “Future India: Science & Technology Exploring new horizons for a sustainable scientific consortia” was organized by The Oxford College of Science in Association with The Indian Science Congress Association Bengaluru Chapter on 10th and 11th October 2018.**

- **A One Day National seminar on “Quality Enhancement and Sustenance in Higher Education” was organized by Internal Quality Assurance Cell (IQAC),on 5th July 2019.**

- **The Oxford College of Science initiated ‘The Oxford Journal of Science and Research’, (TOJSR) journal for original research papers with contributions from researchers across the state and published 13 research publications and 1 review article, in Volume 1, Issue 1, October 2018.**

- **PROJETHON 2019 was organized to showcase the project work carried out by the PG students.**

- **5 Entrepreneurship development program, 8 IPR, 2 seminars and 8 workshops were organized**

- **Eco club TOCS observed World Environment Day 2019 to sensitize the students towards the Environment**

- **Oxfoignite 2018 – Two days intercollegiate Cultural Fest was organized.**

- **Kalarava 2K19 two days intercollegiate techno Cultural Fest with the theme, Exploring the “Unseen “was organized**

STUDENT-ACHIEVERS



Children's Education Society (Regd.)

THE OXFORD COLLEGE OF SCIENCE

(Recognised by the Govt. of Karnataka, Permanently Affiliated to Bangalore University & Approved by AICTE, New Delhi)

Accredited by NAAC with 'A' Grade in II Cycle &
International Accreditation Organization (IAO)
Recognised by UGC under section 2(f) & 12(B)

RANK LIST 2018-19



1st
Rank

RADHIKA D

M.Sc Computer Science



2nd
Rank

M DIVYA

M.Sc Biotechnology



2nd
Rank

NIRANJANA RASHMI SURAJ

M.Sc Biotechnology



2nd
Rank

NITHYA S

M.Sc Computer Science



3rd
Rank

AELIA ZAIDI

M.Sc Biotechnology



4th
Rank

AISHATH HASSAN

M.Sc Computer Science



4th
Rank

PAROTHIDIL ANJUSHREE KRIS

M.Sc Statistics



4th
Rank

PAYAL KUMARI

M.Sc Statistics



4th
Rank

VIDHYA SHREE S

M.Sc Microbiology



5th
Rank

PANDE KAJAL

M.Sc Biotechnology



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SPORTS ACHIEVEMENT

- **Santosh M won Gold Medal in Intercollegiate Competition conducted by Sports Department of TOCS**
- **Biswas Tushar Makhan won Silver Medal in Intercollegiate Competition conducted by Sports Department of TOCS**
- **Sindhushree won Bronze Medal in Intercollegiate Competition conducted by Sports Department of TOCS**
- **MB Shasan and Team won Gold Medal in Sports department at Interuniversity Competition**
- **Deepak Yadav M won Silver Medal from Sports Department at Interuniversity Competition**
- **Harsha C won Silver Medal from Sports Department at Interuniversity Competition**
- **P Varshith and Team won Silver Medal from Sports Department at Interuniversity Competition**
- **Rahul Kumar Shukla won II place in State Level Sports Competition**
- **Santhosh M won Silver medal in Intercollegiate Competition conducted by Sports Department of TOCS**
- **Biswas Tushar Makhan won Bronze medal in Intercollegiate Competition conducted by Sports Department of TOCS**
- **Deepthi and Team won Bronze medal in Intercollegiate Competition conducted by Sports Department of TOCS**

Department of Biochemistry

About the Department

The Department of Biochemistry was established in the year 2001 with combinations Biochemistry - Zoology - Microbiology, the PG course in Biochemistry was invented in the year 2001. Biochemistry includes both chemical & biological disciplines with exponential increase in information and understanding in the field of Life Science.

Department Achievements

Bagged one university rank in the year 2018-2019

Department Activities

AOP 5	PBL 3	Guest Lecture 1	Workshop & Enrichment Program 5	Industrial Visit 1
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SL.NO	AOP
1.	Biosurfactant
2.	Proteomics Profiling Of Wheat
3.	Biosimilars In Biopharmaceuticals
4.	Defense Enzyme Under Oxidative Stress
5.	Natural Dye From Flowering Plants
Problem based Learning	
1	How do you propose a therapy of burn injury by using stem cell.
2	Parkinson disease and stem cell Therapy---- How is it possible?
3	Bone marrow hematopoietic stem Cell and their use in Leukemia.
Guest Lecture	
1	Recent Trends in Biochemical Techniques
Workshop and Enrichment Program	
1	Green synthesis and anti-microbial activity of CeO ₂ (Cerium Oxide) Nano particles
2	Quantitative Estimation of Bacteriophage T7
3	Extraction Purification and analysis of Phytochemicals
4	Training on Handling of Analytical Instruments
5	HPLC & GC in association with Azyme Bioscience
Industrial Visit	
1	Sami laboratory

Department of Biotechnology

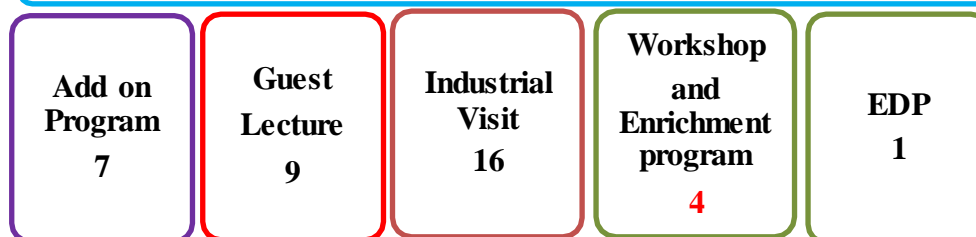
About the Department

The Department of Biotechnology at the Oxford College of Science was established in the year 1998 to nurture young minds and to generate a pool of skilled manpower to cater to the ever-growing demands of this sector.

Department Achievements

Bagged three university ranks in the year 2018-2019

Department Activities



Sl.NO.	AOP
1.	Microbial cell culture techniques
2.	Microbial biomass production
3.	Enzyme Kinetics
4.	Laboratory scale fermentation
5.	Isoenzymes in clinical diagnosis
6.	Molecular diagnosis
Guest Lecture	
1	From cancer susceptibility mechanisms towards early intervention in cancer
2	Genetic disorders of dietary excess, getting to the heart of the matter
3	Basics of Liquid Chromatography and Mass Spectrometry
4	Pedigree Analysis
5	Quality Assurance
6	Immune checkpoint blockade therapy for cancer
7	Quality Assurance and quality control in the industrial point of view
8	Regulatory Affairs
9	Career Guidance
Entrepreneurship Development Program	
1	Entrepreneurship Development Program

Workshop and Enrichment Program	
7.	Workshop- on hands on training in "Modern biotechnology Molecular by the students for the students"
8.	Lecture workshop on Entrepreneurship Development Program
Industrial Visit	
1	Azyme Biosciences Pvt. Ltd, Bengaluru
2	Biocon, Bengaluru
3	Centre for Human Genetics, Bengaluru
4	Bangalore Bio innovation centre(BBC), Bengaluru
5	Indo American hybrid seeds
6	NIMHANS
7	Vipragen Biosciences, Mysore
8	Karnataka soap and detergent limited, Mysore
9	Defense food research laboratory (DFRL), Mysore
9.	CSIR- National Institute of Oceanography, Goa
10.	Vergo Labs,Goa
11.	Bhat bio-tech Pvt. Ltd, Bengaluru
12.	Bangalore Bio innovation centre(BBC), Bengaluru
13.	Institute of Bioinformatics and Applied Biotechnology
14.	Anthem Biosciences
15.	Centre for Human Genetics, Bengaluru

Department of Chemistry

About the Department

The Chemistry Department of The Oxford College of Science started in 1994 with B.Sc. [CZBt, CGtBt, CZMb] combinations and M.Sc., Organic Chemistry in 2009 and has evolved in terms of academics, co-curricular and extracurricular activities.

Department Activities

AOP
5

**Guest
Lecture**
1

**Workshop
& Enrichment
program**
2

PBL
1

Sl.NO.	AOP
1.	Chemistry in daily life
2.	Fuel chemistry
3.	Bench to business
4.	Food adulteration and Safety measures
5.	Environmental Chemistry
Guest Lecture	
1	Let's explore molecular docking
Workshop and Enrichment Program	
1	Molecular Editor: Chemdraw
2	Rasayana-2019
PBL	
1	Importance of Stoichiometry in Organic Synthesis

Department of Computer Science

About the Department

Computer science department was incepted in 1995, now offers both UG and PG courses BCA, B. Sc (CS), M. Sc (CS) and MCA. The courses are eloquently carried to the student community such that it bridges the gap between IT industry requirements and the university curriculum. The department strives and provides industry ready professionals. The courses are delivered through lectures with excellent qualified faculty, (who are experienced both in academics and has hands on in industry), Practical sessions, Projects, Add-on courses and workshops. Course modules are assessed with assignments, presentations, and examinations.

Department Achievements

Bagged three university ranks in the year 2018-2019

Department Activities

AOP 8	Guest Lecture 2	Industrial Visit 1	Workshop and Enrichment program 7	PBL 2
-----------------	-------------------------------	----------------------------------	---	-----------------

Sl.NO.	AOP
1.	Programming in Data Science
2.	Python Programming
3.	Dataware house and its applications
4.	Cyber Security and Malware Analysis
5.	Internet Based Applications
6.	Java Web Services
7.	Machine Learning
8.	Intelligent Networks
Guest Lecture	
9.	.Net Technology
10.	Cyber Security
Industrial Visit	
11.	Industrial Visit to Palle Technologies

Workshop and enrichment program	
12.	Workshop- Rapid Mobile App development using Android
13.	Workshop-Placement Aid
14.	Enrichment Program on Hadoop Technology
15.	Enrichment Program on .Net Framework
16.	Enrichment Program on .Net Technology
17.	Enrichment Program on Internet of things
18.	Enrichment Program on Hadoop Technology
19.	Enrichment programme on Virtual Reality
PBL	
20.	Object Oriented Analysis
21.	Object Oriented Analysis

Department of Electronics

About the Department

The Department of Electronics was established in the year 1994 with combinations Physics, Mathematics and Electronics (PME). A second combination of Electronics, Mathematics & Computer Science (EMCs) started in the year 2000. The PG course in was incepted in the year 2010.

Department Activities

AOP
3

**Guest
Lecture**
1

**Workshop
and Enrichment
program**
4

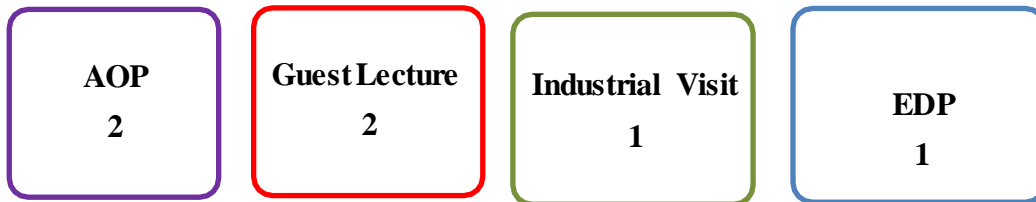
Sl.NO.	AOP
1.	Microcontroller based circuit design.
2.	Express software for PCB designing.
3.	Atmel microcontrollers
	Guest Lecture
4.	Recent Trends in Electronics
	Workshop and Enrichment Program
5.	Workshop on 3d printing
6.	Workshop on PCB designing.
7.	Audio amplifiers
8.	Internet of things.

Department of Fashion & Apparel Design

About the Department

The Department of Fashion and Apparel Design was established in the year 1999, it is affiliated to Bangalore University. It is a 3-year full term undergraduate Fashion Designing course, where it covers the study of specialized field in the area of fashion costume designing, accessory and jewelry design, fashion illustrations, Textile designing, etc.

Department Activities



Sl.NO.	AOP
1.	Jewelery making
2.	Henna art
Guest Lecture	
1	Visual Merchandizing
2	Status of Silk Industry in India
Industrial Visit	
1	Nikottin
Entrepreneurship Development program	
1	How to Commercial Paper patterns

Department of Languages

About the Department

The Department of Languages of The Oxford College of Science was started in the year 1994. The Staff of the Languages Department has taken keen interest in training students for intercollegiate competitions and regular conduct of assembly in the college. Counseling in academic and emotional matters and involving in administrative work of the college are the other responsibilities of the Department. Research pursuits, membership to professional bodies, participation as resource persons at National/ International Seminars and conferences, participation in various literacy programs are the other activities of the department. Another addition to the Department of English is the Language Lab, which is functioning in full swing to hone the student's communication skills.

Department of Mathematics & Statistics

About the Department:

The Department of Mathematics started in the year 1994. The UG course was started in the year 1994 and PG course in the year 2010. The Department of Statistics was incepted in the year 2005 in order to prepare professionals in statistics. The UG course was started in the year 2005 and PG course in the year 2010.

Department Achievements

Bagged two university ranks in the year 2018-2019

Department Activities

AOP

2

Sl.NO.	AOP
1.	Fractal Geometry

Department of Microbiology

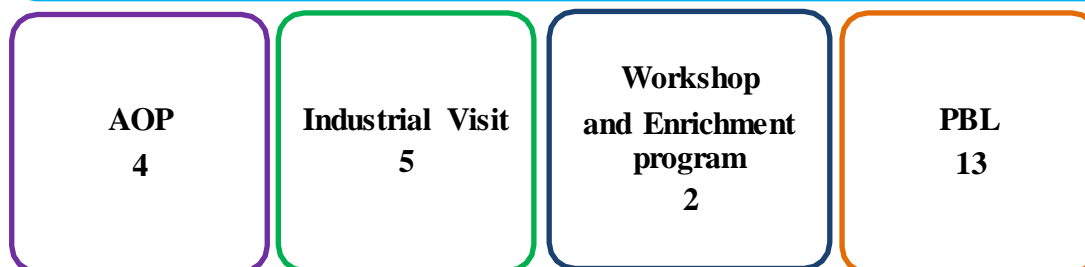
About the Department:

The Department of Microbiology since its inception in 1994 is committed to disseminating, inculcating and harvesting knowledge. Student centric approach and overall development of students are the vital strategy adopted in the department. Consistent University ranks and outstanding placement record are the key achievements. The Department is known for its constant innovations reflecting the creative potential with which the Department is well endowed.

Department Achievements

Bagged one university rank in the year 2018-2019

Department Activities



Sl.NO.	AOP
1.	Bio Control Agents
2.	Viral Cell Culture Techniques
3.	Biofuels from Water Hyacinth
4.	Farming of Pleurotus
Industrial visit	
1	My-sugar, Mandya
2	Defense Food Research Laboratory (DFRL)
3	Prosetta and Wipragen a Research laboratory, Mysore
4	Blue cross, pharmaceutical company, Goa
5	Mymul, Milk Processing and packing Industry, Mysore District

Workshop and Enrichment program	
1	Enrichment programme on “Biofertilizer Assay”
2	Biofertilizer and its assay
PBL	
1	Microbial production of Bioplastics
2	Isolation of pigmented Actinomycetes and pigment characterization
3	Assay of Antimicrobial properties of probiotics
4	Biodegradation of textile dyes
5	Throat swab samples – isolation and characterization of clinical isolates
6	Sputum samples – isolation and characterization of clinical isolates
7	Nasal swab samples – isolation and characterization of clinical isolates
8	Urine samples – isolation and characterization of clinical isolates
9	Blood samples – isolation and characterization of clinical isolates
10	Production and purification of antibiotics from soil microbes
11	Screening of microbes for the degradation of aromatic hydrocarbon
12	Isolation And Identification Of Microorganisms From Herbal Mixtures – commercially available
13	Isolation and molecular identification of chitinase producing bacteria from various sources

Department of Physics

About the Department:

The Department of Physics (UG) was established in the year 1994 with Physics, Mathematics, Computer Science (PMCs) and Physics, Mathematics, Electronics (PME) combinations, the PG course in Physics was incepted in the year 2014.

Department Activities

AOP

2

Sl.NO.	AOP
1.	Optical Instruments
2.	Optics Around Us

Department of Zoology and Genetics

About the Department:

The Department of Zoology was incepted in 1994 for undergraduate program, with the aim of imparting quality education to young minds. The Department of Genetics was started with undergraduate program in the year 2000 and PG course in Applied Genetics in 2003. Presently, the two departments have amalgamated into “The Department of Zoology and Genetics”.

Department Activities

AOP
4

Industrial Visit
2

Sl.NO.	AOP
1.	Immunological techniques
2.	Inversion polymorphism in chironomus
3.	Bioinformatics tools
4.	Computational Biology
Industrial visit	
1	Industrial Visit-Seri biotech
2	Kidwai Memorial Institute of Oncology and Research Center

IQAC Activities

About IQAC:

IQAC was established at TOCS in 2011 as a post-accreditation quality sustenance measure to channelize the efforts and measures of an institution towards academic excellence. IQAC adopts multifaceted integrated approach involving all the stakeholders for all the quality measures to fulfill the dream of achieving excellence. IQAC ensures quality literacy among all its stakeholders, prepares quality strategy for execution, conducts quality audit periodically, obtains 360° quality feedback from all the stakeholders, crafts quality policy, provides participative quality governance, delivers quality academics and performs quality research thus developing the quality culture of the institution that leads to quality quotient enhancement and thereby quality sustenance. Accordingly, IQAC, regularly conducts conferences, seminars, inter/intra institutional workshops on quality related themes and faculty development programs, staff training programs, professional development programs to upgrade and update the professional skills of faculty and staff. In 2021-22 IQAC organized 2 Faculty Development Program, 1 Professional Development Program, 2 Leadership Development Program and 2 Staff training Program. Altogether 82 % teaching and non-teaching staff had participated for the same. 3 Faculty had participated in UGC sponsored Refresher Course (Life Science)

Sl. No	List of FDP, PDP.RP & STP organized during 2018-19
	Faculty Development Program
1.	FDP on E governance (Epathshala ERP Implementation)
2.	FDP on Clinical Significance of Elisa
3.	FDP on Web Technologies
4.	FDP on Challenges and Opportunities of Teaching the "GEN Y"
	Staff Training Program
1.	Staff Training Program On Data Entry And Data Management

Teaching-Learning-Evaluation

Highlights:

- 17 workshop & enrichment program, 14 guest lecture, 28 industrial visits, 10 and 19 PBL were conducted as part of Curriculum supplementing programs.
- 42 Add-on Programs were offered to the students.
- **Blended learning programs** were introduced for soft core paper.
- Improvement Exams to improve Internal Assessment score was introduced.
- **10 University Ranks** and 83.07% graduated from the respective courses.
- 61 In-house Student Research Projects were undertaken and complete

Carrier Guidance - Placement

Highlights:

- Career Guidance Program on “**Importance of up gradation in latest technologies for being employable**”, “**Choosing a Right Career Path in Jobs**” and” **Opportunities in Insurance Companies**” were organized. Career Guidance on **Preparation on IELTS and Tips and Tricks to Crack CSIR** were conducted as part of Career Counseling Program and 1678 students were benefitted from it.
- 25 Capacity Building and Skill Enhancement Programs like soft skill training, Aptitude Training, ICT Training, Life Skill Training programs were conducted.
- 70% overall Placement and progression rate.
- Mentoring session were conducted to support and guide students towards higher education.
- 3 Alumni activities and a Job fair was conducted

RESEARCH-INNOVATION

- 4 proposal under VGST were submitted under various scheme
- 91 faculty members provided with financial support under Research promotion scheme.
- National Conference on “Exploring New Horizons For A Sustainable Scientific Consortia”, Science And Technology Future India” in association with ISCA
- The Oxford College of Science initiated ‘The Oxford Journal of Science and Research’, (TOJSR) journal for original research papers with contributions from researchers across the state and published 13 research publications and 1 review article, in Volume 1, Issue 1, October 2018
- 5 Entrepreneurship Development Program on EDP on “Selling Commercial Paper Patterns”, “Enterpreneurship opportunities in making of IgY”, “Electronics prototyping and product development”, “Navigating a success path for your business” and “Workshop on Enterpreneurship and software development” organized by ED cell for faculty members and PG students
- A Symposium on “Water Conservation” organized by Departement of Biotechnology
- 8 IPR programs were organized by R & D cell for faculty members and PG students of TOCS
- 8 Workshops was organized for the post graduate and graduate students
- 1 original research articles were published in peer reviewed journals.
- 2 book chapters have been published.
- 4 Research methodology were organized by R & D cell on “Analysis and Interpretation of Research data”, “Designing and Planning of Experiment”, “Statistical tools in Research” and “Ethics in research and publications” for faculty members and PG students
- 7 MoUs/Collaborations have been signed for research, internships and projects.
- 61 In-house Student Research Projects were undertaken and completed.

Administration

Highlights:

- Stakeholders Meet was conducted wherein students Quality circle members were invited to provide key suggestions and inputs.
- Awareness programs on Anti-Ragging & Anti-Sexual Harassment were organized for both UG and PG students.
- PROJETHON 2019 was organized to showcase the project work carried out by the PG students.
- Cultural fests- **OXFOIGNITE 2018, KALARAVA 2K19, EUREKA, IN-BLOOM 2019** were organized in addition to intra-Department fest like **ATGC. MICROMANIA, KAAVYANIKETANA**, to create a balanced environment.
- Sports meet like **Inter Class Chess Competition**, and **Intra Mural Shuttle Badminton competition, PG Indoor Games Competition** were held as part of sports activities
- 693 students provided with The Oxford Merit Scholarship
- 799 students provided with The Oxford Unnati Scholarship.
- 4 Faculty Development Program, and 1 Staff Development Program for the Non-teaching staffs were organized for quality enhancement.
- **88** faculty members participated in FDP/PDP/LDP/ Refresher Programs.
- **Ms. Pavana Kamath P**, of The Department of Zoology and Genetics received the **Best Teacher Award** for the faculty for outstanding contribution in the field of teaching.
- **18** Non-teaching staff participated in Staff Training Program.
- **Ms. Ligy Valsan, Office Assistant** received the Best Employee Award for excellent performance.

Extension, Outreach, Awareness & Sensitization:

Highlights:

- Kottagalu Gram Panchayath honored our NSS unit with the “Best Unit award” on 23.3.2019.
- Kottagalu Gram Panchayath honored Mr. Mariswamy N as “Best NSS officer”.
- 10 Extension/Outreach Programs highlighting the importance of cleanliness, environmental concerns and human values were conducted by NSS and NCC unit of the College.
- **Swachatha Pakhwada, Voluntary participation in General Election, Reclamation and Dredging of lakes, National Pollution Control Day, National Energy Conservation Day, World Environment Day, World Water Day, World Health Day, and World DNA Day** were observed to sensitize students on environmental concerns.

Quality Enhancement-Sustenance

Highlights

- A One Day National seminar on “Quality Enhancement and Sustenance in Higher Education” was organized by Internal Quality Assurance Cell (IQAC), on 5th July 2019.
- Civil Service Examination coaching was introduced.
- Improvement Exam to improve LA score was introduced.
- Industry oriented skill programs were offered to enrich the curriculum.
- A total of 88 Faculty attended FDP/PDP LDP/Refresher programs.
- 91 faculty members provided with financial support under Research promotion scheme.



WORLD WATER DAY



WORLD HEALTH DAY



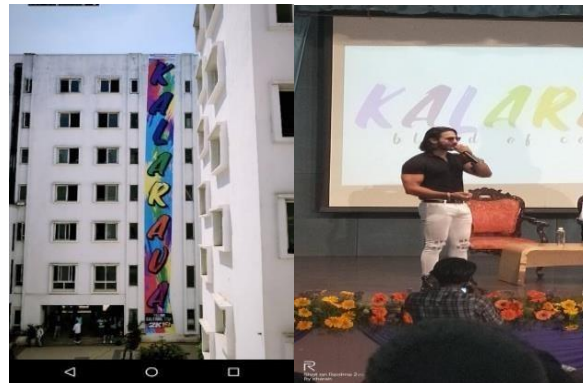
WORLD DNA DAY



Future India Science & Technology Conference



MICROMANIA 2019



KALARAVA2K19



THE BIOTECH PREMIER LEAGUE



WINE FESTIVAL



INDO WESTERN DAY



CARRIER BUILDING SKILLS



INDUSTRIAL VISITS

