



NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL
राष्ट्रीय मूल्यांकन एवं प्रत्यायन परिषद

ANNUAL QUALITY ASSURANCE REPORT (AQAR) OF THE IQAC

(July 1, 2015 to June 30, 2016)



Submitted By :

Children's Education Society[®]

THE OXFORD COLLEGE OF ENGINEERING

Hosur Road, Bommanahalli, Bangalore-560 068

080-30219601/02, Fax : 080-25730551,30219629,

Website:www.theoxford.edu Email : engprincipal@theoxford.edu

(Approved by AICTE, New Delhi, Accredited by NAAC & NBA, New Delhi, Recognized under 2(f) & Affiliated to VTU, Belgaum)

ANNUAL QUALITY ASSURANCE REPORT (AQAR) OF THE IQAC

INDEX

Sl. No.	Contents	Page No.
01	PART –A	03
02	CRITERION – I CURRICULAR ASPECTS	24
03	CRITERION – II TEACHING, LEARNING AND EVALUATION	31
04	CRITERION – III RESEARCH, CONSULTANCY AND EXTENSION	37
05	CRITERION – IV INFRASTRUCTURE AND LEARNING RESOURCES	43
06	CRITERION – V STUDENT SUPPORT AND PROGRESSION	49
07	CRITERION – VI GOVERNANCE, LEADERSHIP AND MANAGEMENT	54
08	CRITERION – VII INNOVATIONS AND BEST PRACTICES	61

The Annual Quality Assurance Report (AQAR) of the IQAC

(for the academic year July 1, 2015 to June 30, 2016)

All NAAC accredited institutions will submit an annual self-reviewed progress report to NAAC, through its IQAC. The report is to detail the tangible results achieved in key areas, specifically identified by the institutional IQAC at the beginning of the academic year. The AQAR will detail the results of the perspective plan worked out by the IQAC. (Note: The AQAR period would be the Academic Year. For example, July 1, 2012 to June 30, 2013)

Part – A

1. Details of the Institution

1.1 Name of the Institution	THE OXFORD COLLEGE OF ENGINEERING
1.2 Address Line 1	10 TH MILE STONE, BOMMANAHALLI
Address Line 2	HOSUR ROAD
City/Town	BANGALORE
State	KARNATAKA
Pin Code	560 068
Institution e-mail address	engprincipal@theoxford.edu
Contact Nos.	080-30219601 / 602 / 604 / 736
Name of the Head of the Institution:	DR. K KARIBASAPPA
Tel. No. with STD Code:	080-30219736
Mobile:	9590542762

THE OXFORD COLLEGE OF ENGINEERING - AQAR OF THE IQAC

Name of the IQAC Co-ordinator: Prof. A Sahana

Mobile : 09901994913

IQAC e-mail address engadmin@theoxford.edu

1.3 **NAAC Track ID** (For ex. MHCOGN 18879) KACOGN16197

1.4 **NAAC Executive Committee No. & Date:** EC(SC)/01/A&A/094 dated 05.05.2014
(For Example EC/32/A&A/143 dated 3-5-2004.
This EC no. is available in the right corner- bottom of your institution's Accreditation Certificate)

1.5 **Website address:** www.theoxford.edu

Web-link of the AQAR:
For ex. <http://www.ladykeanecollege.edu.in/AQAR2012-13.doc>

1.6 Accreditation Details

Sl. No.	Cycle	Grade	CGPA	Year of Accreditation	Validity Period
1	1 st Cycle	B	2.35	05.05.2014	04.05.2019

1.7 **Date of Establishment of IQAC :DD/MM/YYYY** 17/08/2011

1.8 **AQAR for the year (for example 2010-11)** 1st June 2015 to 30th June 2016

1.9 Details of the previous year's AQAR submitted to NAAC after the latest Assessment and Accreditation by NAAC ((for example AQAR 2010-11 submitted to NAAC on 12-10-2011)

(This being the first IQAR after NAAC Accreditation, this question is not applicable)

- AQAR _____ **AQAR 2014-15 submitted ON 29.09.2015** (DD/MM/YYYY)
- AQAR _____ **Not Applicable** (DD/MM/YYYY)
- AQAR _____ **Not Applicable** (DD/MM/YYYY)
- AQAR _____ **Not Applicable** (DD/MM/YYYY)

1.10 Institutional Status

University State Central Deemed Private

Affiliated College Yes No

Constituent College Yes No

Autonomous college of UGC Yes No

Regulatory Agency approved Institution Yes (AICTE) No
(eg. AICTE, BCI, MCI, PCI, NCI)

Type of Institution Co-education Men Women

Urban Rural Tribal

Financial Status Grant-in-aid UGC 2(f) Recognized UGC 12B Applied and yet to receive approval

Grant-in-aid + Self Financing Totally Self-financing

1.11 Type of Faculty/Programme

Arts Science Commerce Law PEI (Phys Edu)

TEI (Edu) Engineering Health Science Management

Others (Specify)

B Architecture & Master of Computer Applications

1.12 Name of the Affiliating University (for the Colleges)

VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELGAUM

1.13 Special status conferred by Central / State Government – UGC/CSIR/DST/DBT/ICMR etc

Autonomy by State/Central Govt. / University

University with Potential for Excellence UGC-CPE

DST Star Scheme UGC-CE

UGC-Special Assistance Programme DST-FIST

UGC-Innovative PG programmes Any other (*Specify*)

UGC-COP Programmes

AICTE	Towards Research Projects
DRDO –Naval Research Board	Towards Research Projects
Board of Research in Nuclear Sciences (BRNS)	Towards Research Projects
IEEE	Towards Research Projects
VGST, Dept. of Science & Technology, Govt. of Karnataka	Towards Research Projects
Visvesvaraya Technological University	Towards Research Projects
National Innovation Foundation	Towards Research Projects
KSCST, Govt. of Karnataka	Towards Students Research Projects

2. IQAC Composition and Activities

2.1 No. of Teachers

2.2 No. of Administrative/Technical staff

2.3 No. of students

2.4 No. of Management representatives

2.5 No. of Alumni

THE OXFORD COLLEGE OF ENGINEERING - AQAR OF THE IQAC

2.6 No. of any other stakeholder and community representatives 0

2.7 No. of Employers/ Industrialists 0

2.8 No. of other External Experts 1

2.9 Total No. of members 37

2.10 No. of IQAC meetings held : **2 Times**
(frequency : 2 times every academic year)

2.11 No. of meetings with various stakeholders : Faculty 2

Non-Teaching Staff 1 Student 2 Alumni 1 Others 1

2.12 Has IQAC received any funding from UGC during the year? Yes No

If yes, mention the amount Not Applicable

2.13 Seminars and Conferences (only quality related)

(i) No. of Seminars/Conferences/ Workshops/Symposia organized by the IQAC

Total Nos. 103 International 2 National 2 State 0 Institution Level 99

(ii) Themes

CSE / ISE / MCA	<p>Technical Training on Advanced JAVA/ J2EE, CISCO/CCNA and Android Application Development.</p> <p>One day Certification Course on PHP and MySQL was conducted by Spoken Tutorial Team, IIT-Bombay.</p> <p>One day Certification Course on Python was conducted by Spoken Tutorial Team, IIT-Bombay.</p> <p>Expert lectures on</p> <ul style="list-style-type: none"> Code versioning and Management using GIT WDL Optical Networks Project Management Business Analytics-Career Opportunities Career Guidance for higher students in Foreign
------------------------	--

	<p>Universities</p> <ul style="list-style-type: none"> • Routing and Switching on Networking • Personal Growth Session for students • Animation, Visual effects and Gaming from an Industry Perspective • Internet using raspberry PI • 4G with focus on LTE and its Architecture • The concept of undecidability in connection with formal languages and problem solving • Complexities of Turing Machine and their programming Techniques • Importance of Lifelong Learning • Big Data and Hadoop Developer • SAP Training Program Overview • Stock Mind Season for share trading <p>Workshop on</p> <ul style="list-style-type: none"> • Basics of Python • HTML and Java Script • An introductory session on Free Softwares • Basics of C and Introduction to the Linux Environment • Fundamentals of Data Structures • An introductory Session on Web Programming • HTML and Java Script • Android Test Automation Framework <p>5 Days Faculty Development Programme on “Migration to Open Source Software Platform”.</p> <p>The departments of CSE, MBA & Mathematics organized a 5Day Faculty Development Program on “Mathematics and Statistical Tools for Research Scholars”.</p> <p>National Conference on “Futuristic Computing Applications (NCFCA).</p> <p>CSI ACTIVITIES :</p> <ul style="list-style-type: none"> • Latest trends in IT • Cloud Computing • Iot : Opportunities, Challenges and Solutions
<p>ECE / EEE</p>	<p>Hands-on-workshop on ‘MSP430 Embedded System and its Application’</p> <p>Workshop on ‘Hands on Robotics’ was conducted by GRESL, ISTE.</p> <p>Workshop on “MOEMS” with the funding from IEEE Photonics Society and IEEE Bangalore Section.</p> <p>Workshop on “Circuit Simulation and Design” under the funding of IEEE.</p>

	<p>Guest Lecture on</p> <ul style="list-style-type: none"> • Optical Fiber Transmission Systems. • Consumer Electronics. • Biowaste based Carbon Nanosphere and Its Applications. • Semiconductor Devices and its future Trends. • Industrial Automation and Control.
BT	<p>Expert Lectures</p> <ul style="list-style-type: none"> • Recent advances on computational drug discovery and molecular modelling. • Mammalian Cell Culture continuous Manufacturing. • “Inventus-In-Silico Drug Discovery challenges and Applications. • Research Avenues available at DEBEL. • Receptor based Drug Discovery. • Clinical Research Analysis – a career program using SAS. • Advanced Microarray and Multiplex Real Time PCR”. <p>5Days Faculty Development Programme on “Current Approaches in Computer Assisted Drug Discovery and Development (CADD), Global scenario – Indian perspective”.</p> <p>Hands on training on “Multiplex Real Time PCR and demonstration of microarray techniques by 3i molecular solutions and healthcare services pvt. Ltd.,</p>
CIVIL / CTM	<p>Training Program on “Being Employable”</p> <p>Guest Lecture on “Solid Waste Management and Enhanced Uses for Solid Waster for Geotechnical Applications”</p>
ME / AUTO / MT	<p>Guest Lecture on</p> <ul style="list-style-type: none"> • Much Inability Characteristics of Hardened Steel and its Impact on Product Life. • Sustainable Energy Engineering. • Emission Control in IC Engines. • Technology Uses of Bio-Fuels in CI Engines Applications. • Current Trend Engineers using Energy Resource”.
MBA	<p>Certification Programme on Business Analytics</p> <p>Guest Lecture</p> <ul style="list-style-type: none"> • An integrated approach to Career readiness • “Management of Innovation and Creativity • Role of Discipline in Leadership Entrepreneurship • The India of Future

	<ul style="list-style-type: none"> • Importance of Value added course in the career • Statistical tools used in stock analysis • Retail Management • Innovation and Creativity • Innovation in various areas of Management”. <p>Workshop on “Human Trafficking and Gender Sensitization”, “Awareness of first aid in Students”, and “Competition on Vigilance week as per RBI guidelines.</p> <p>International Conference on Innovation in Marketing, E-commerce, Information Technology and Banking in collaboration with University of Duadalajara, Mexico.</p> <p>Symposium on “Pre conclave bio diversity summit”</p>
Architecture	<p>Guest Lecture on</p> <ul style="list-style-type: none"> • Thermal Load Calculation • Location of Air Conditioning Equipments in Buildings • Vaastu in Hospital Design <p>Workshop on Building Construction and Materials</p> <p>Seminars on</p> <ul style="list-style-type: none"> • Architectural & Thoughts Learning • Architecture and practical sustainability • Architecture and built environment • Presentation-Introduction to BIM and 3D printing <p>Conducted AUTODESK Certification program on Revit Architecture</p>
<p>Under the supervision of ASI (Archeological Survey of India), the Oxford School of Architecture has extended service to prepare documentation on status and archeological drawings (AUTOCADD) of :-</p> <ol style="list-style-type: none"> 1. Bhoganandhishwara temple situated at Nandi Hills, Chikaballapura Taluk. 2. Mule Shankareswara temple at Turuvekere, Nagamangala Taluk. <p>Students had to be accommodated at the site for precise measurements and documentation.</p>	

2.14 Significant Activities and contributions made by IQAC

1. IQAC suggested in framing Agendas for Seminars, Symposiums, Conferences, Workshops to enhance the Industry-Institute-Interaction.
2. Review of faculty recital.
3. Value Addition Programmes / career oriented technical training programmes for students to improve their technical acquaintance.
4. Management supports for Research Projects and encouraging research collaborations.
5. On timely basis upgradation of Lab Equipments to meet with the advanced technology across the departments.
6. Staff Welfare Programmes.
7. Providing financial support through endowment fund for needy students.
8. Augmentation of Consultancy activities across the departments.
9. Encouraging faculty to apply for Patents.
10. Enhancement of proper utilisation of ERP System.
11. Encouraging Students for Industrial Visits to understand and to gain the knowledge of new concepts.
12. Orientation programmes are conducted for Non-Teaching Staff Members.
13. Students are encouraged to apply their innovative projects to get funding from various Granting Agencies.
14. All Academic and Creative Clubs are functionally active across all branches.
15. Supplementary encouragement is given to Students to participate in different events like Sports / NSS / CSR activities.

2.15 Plan of Action by IQAC/Outcome

The plan of action chalked out by the IQAC in the beginning of the year towards quality enhancement and the outcome achieved by the end of the year *

Plan of Action	Achievements
Proposal and plan to conduct National and International Level seminars, conferences, workshops, symposiums, FDPs etc.,	National Level Conference, Workshops, Seminars, Symposiums, FDPs, Intercollegiate Technical Fest and National level students convention & Techno-cultural fest were conducted across the departments. Details are available in Question No.2.13 (ii)
Plan to conduct Technical talks under CSI Chapter	Expert Speakers from NETAPP India Pvt., CISCO Development India Pvt., Ltd., and Cloud Enabled, Bangalore delivered technical talks on Recent Trends in IT, IOT and Cloud Computing under CSI banner.
Plan to conduct Technical Training	As per scheduled plan, Technical Trainings are conducted for the diverse subjects like CCNA, JAVA, CISCO and also issued certificates for the students.
To perform regular Academic Audits during Semester	Under the steering of Dean (Academic), regular academic audit were conducted to ensure the standing of syllabus completion, Internal Assessments, Seminars, Projects, Results etc., Regular audit were conducted to sight the status of mentorship across the departments.

Proposal for enhancement in Student Support	Endowment Fund is formed upto the tune of Rs.10 Lacs for the support of necessitous students.
Plan for Industrial Visit and Educational Tours	<p>Under the supervision of ASI (Archeological Survey of India), the Oxford School of Architecture has extended service to prepare documentation on status and archeological drawings (AUTOCADD) of :-</p> <ol style="list-style-type: none"> 1. Bhoganandhishwara temple situated at Nandi Hills, Chikaballapura Taluk. 2. Mule Shankareswara temple at Turuvekere, Nagamangala Taluk. <p>Students had to be accommodated at the site for precise measurements and documentation.</p>
Plan for In-house Mentorship for Junior Faculty	Committee comprising of senior faculty were habitual to encourage younger faculty by providing orientation towards proficient teaching.

THE OXFORD COLLEGE OF ENGINEERING - AQAR OF THE IQAC

Plan to enhance Industry Institute Interaction activities	Regular Industry-Institute-Interaction are conducted by inviting Technical Expertise to deliver technical lectures to the students to update their knowledge with up-to-the-minute technology. Our college faculty are actively taking part and giving updated technical lectures to the industry.
Research Activities	Faculty Members were encouraged to apply for research projects to various funding agencies and also they have applied for the same.
Publications by Faculty and Students	Faculty Members were also inspired to publish books in their respective fields. Faculty members were encouraged to publish their research papers in various Journals. Also they are motivated to present their papers at various conferences and symposiums. PG Students are encouraged to publish their research papers before submitting their final year projects to University.
Plan for Industry Oriented Placement Training	<p>Interacted with CEOs and HRs of Industry and approximately 500 students were placed in reputed companies</p> <p>Technical and Softskill training were provided to achieve the above target.</p> <p>Personality Development and Communication skills Training for First year students have been conducted.</p>
Plan for enhancing ICT based education	QEEE: Live lectures as a part of selected courses were delivered live from IIT Classroom.

	<p>MOOC : (Massive Online Open Courseware) Regular Spoken Tutorials from IIT Mumbai were conducted to the students.</p>
Sports and Cultural Activities	<p>Students have actively participated in Sports and cultural activities conducted by University and other Inter-collegiate competitions. The Students have enlightened the college status by winning Kho-kho, Khabaddi, Volleyball and Cricket competitions.</p> <p>Students were encouraged to bring out their hidden talents by conducting Techno-Cultural fest.</p>
Plan to organize Science Quiz and Exhibition	<p>As per the scheduled plan, students are actively taking part in Science Quiz and Exhibition organized by Science Association.</p>
Enhancing Library Resources	<p>In order to enhance the library resources, many books were added as per norms. Apart from this, Library Committee were formed and created the Library Webpage to serve the students with updated information through online.</p> <p>Our college is a member in VTU e-consortium from which we are able to access required e-journals.</p>
SWOT Analysis	<p>The performance Analysis were monitored by SWOT Analysis.</p>

<p>Plan to achieve Permanent Affiliation in all courses, Increase in intake for M Tech, Autonomy Status & Accreditation Status</p>	<p>Vesvesvaraya Technological University have accorded Permanent Affiliation Status to BE (Civil Engg.,) and awaiting from Government of Karnataka for the same.</p> <p>Departments of CTM, Automobile Engg., and Mechatronics Engg., are advised to apply for permanent affiliation status.</p> <p>Process for the autonomy status are in progress.</p> <p>Departments of CSE, ISE and EEE have been accorded with NBA Accreditation.</p> <p>Departments eligible for NBA Accreditation are advised to prepare SAR.</p>
--	--

** Attach the Academic Calendar of the year as Annexure.*

THE OXFORD COLLEGE OF ENGINEERING - AQAR OF THE IQAC



CHILDREN'S EDUCATION SOCIETY (REGD) THE OXFORD COLLEGE OF ENGINEERING

Bommanahalli, Hosur Road, Bangalore – 68
080-30219601, Fax: 080-25730551, 30219629,

ODD SEMESTER PLAN 2015-16 (AUG.2015 to FEB 2016)

SL.NO.	PROGRAMMES	COMMENCEMENT OF ODD SEM	I INTERNAL TEST		II INTERNAL TEST		III INTERNAL TEST		LAST WORKING DAY	PRACTICAL EXAM	THEORY EXAM	PROJECT WORK/ TRAINING/ VIVA-VOCE	COMMENCEMENT OF EVEN SEM
			TEST START	REPORT	TEST START	REPORT	TEST START	REPORT					
1	B.E. III ,V, VII SEM	01.08.15	02.09.15	10.09.15	05.10.15	13.10.15	05.11.15	13.11.15	20.11.15	23.11.15 To 02.12.15	07.12.15 To 07.01.16	-	01.02.16
2	MCA III,V SEM										07.12.15 To 31.12.15	-	01.02.16
3	MBA III SEM									-	23.11.15 To 07.12.15	09.12.15 To 14.02.16 (Report to by VTU 14.3.16)	16.02.16
4	M.TECH III SEM	(Internship of 16 weeks)							-	02.12.15 To 21.12.15	-	26.12.15	
TENTATIVE PLAN													
5	B.E. I SEM	01.08.15	02.09.15	10.09.15	05.10.15	13.10.15	05.11.15	13.11.15	20.11.15	23.11.15 To 02.12.15	07.12.15 To 27.12.15	-	01.02.16
6	MCA/MBA I SEM	01.08.15	02.09.15	10.09.15	05.10.15	13.10.15	05.11.15	13.11.15	20.11.15	23.11.15 To 02.12.15 (MCA)	07.12.15 To 21.12.15 (MCA)	-	01.02.16
										30.11.15 To 16.12.15 (MBA)			
7	M.TECH I SEM	01.08.15	02.09.15	10.09.15	05.10.15	13.10.15	05.11.15	13.11.15	20.11.15	23.11.15 To 25.11.15	27.11.15 To 16.12.15	-	01.02.16

THE OXFORD COLLEGE OF ENGINEERING - AQAR OF THE IQAC



Children's Education Society ®
THE OXFORD SCHOOL OF ARCHITECTURE
 Hosur Road, Bommanahalli, Bengaluru-560 068
 080-30219601/02/797, Fax: 080-25730551
 Website: www.theoxford.edu Email: engprincipal@theoxford.edu, director.tosa@theoxford.edu
 (Approved by COA & Affiliated to VTU, Belgaum)

ODD SEMESTER PLAN 2015-16 (AUG.2015 to FEB 2016)

SL. NO.	PRPGRAMMES	COMMEN CEMENT OF ODD SEM	I INTERNAL TEST		II INTERNAL TEST		III INTERNAL TEST		LAST WORKING DAY	PRACTICAL EXAM	THEORY EXAM	COMMENCE MENT OF EVEN SEM
			TEST START	REPORT	TEST START	REPORT	TEST START	REPORT				
1	III ,V, VII SEM	01.08.15	02.09.15	10.09.15	05.10.15	13.10.15	05.11.15	13.11.15	20.11.15	23.11.15 To 02.12.15	07.12.15 To 07.01.16	01.02.16
TENTATIVE PLAN												
2	I SEM	01.08.15	02.09.15	10.09.15	05.10.15	13.10.15	05.11.15	13.11.15	20.11.15	23.11.15 To 02.12.15	07.12.15 To 27.12.15	01.02.16

THE OXFORD COLLEGE OF ENGINEERING - AQAR OF THE IQAC



CHILDREN'S EDUCATION SOCIETY (REGD) THE OXFORD COLLEGE OF ENGINEERING

Bommanahalli, Hosur Road, Bangalore – 68
080-30219601, Fax: 080-25730551, 30219629,

ODD SEMESTER PLAN FOR FIRST YEAR B.E. 2015-16 (AUG.2015 to FEB 2016)

SL. NO.	PRPGRAMMES	COMMEN CEMENT OF ODD SEM	I INTERNAL TEST		II INTERNAL TEST		III INTERNAL TEST		LAST WORKING DAY	PRACTICAL EXAM	THEORY EXAM	PROJECT WORK/ TRAINING/ VIVA-VOCE	COMMENCE MENT OF EVEN SEM
			TEST START	REPORT	TEST START	REPORT	TEST START	REPORT					
TENTATIVE PLAN													
1	B.E. I SEM	21.08.15	21.09.15	29.09.15	19.10.15	26.10.15	05.11.15	13.11.15	20.11.15	23.11.15 To 02.12.15	07.12.15 To 27.12.15	-	01.02.16

THE OXFORD COLLEGE OF ENGINEERING - AQAR OF THE IQAC



Children's Education Society ®
THE OXFORD SCHOOL OF ARCHITECTURE
 Hosur Road, Bommanahalli, Bengaluru-560 068
 080-30219601/02/797, Fax: 080-25730551
 Website: www.theoxford.edu Email: engprincipal@theoxford.edu, director.tosa@theoxford.edu
 (Approved by COA & Affiliated to VTU, Belgaum)

ODD SEMESTER PLAN FOR FIRST YEAR B.ARCH 2015-16 (AUG.2015 to FEB 2016)

SL. NO.	PRPGRAMMES	COMMEN CEMENT OF ODD SEM	I INTERNAL TEST		II INTERNAL TEST		III INTERNAL TEST		LAST WORKING DAY	PRACTICAL EXAM	THEORY EXAM	COMMENCE MENT OF EVEN SEM
			TEST START	REPORT	TEST START	REPORT	TEST START	REPORT				
TENTATIVE PLAN												
2	I SEM	01.08.15	21.09.15	29.09.15	19.10.15	26.10.15	05.11.15	13.11.15	20.11.15	23.11.15 To 02.12.15	07.12.15 To 27.12.15	01.02.16

THE OXFORD COLLEGE OF ENGINEERING - AQAR OF THE IQAC



CHILDREN'S EDUCATION SOCIETY (REGD)
THE OXFORD COLLEGE OF ENGINEERING
 Bommanahalli, Hosur Road, Bangalore – 68
 080-30219601, Fax: 080-25730551, 30219629,

ODD SEMESTER PLAN FOR FIRST YEAR MBA, MCA & M.TECH. 2015-16 (AUG.2015 to FEB 2016)

SL. NO.	PRPGRAMMES	COMMEN CEMENT OF ODD SEM	I INTERNAL TEST		II INTERNAL TEST		III INTERNAL TEST		LAST WORKING DAY	PRACTICAL EXAM	THEORY EXAM	PROJECT WORK/ TRAINING/ VIVA-VOCE	COMMENCE MENT OF EVEN SEM
			TEST START	REPORT	TEST START	REPORT	TEST START	REPORT					
TENTATIVE PLAN													
1	<u>MCA/ M.TECH</u> I SEM	28.09.2015	29.10.15	6.11.15	25.11.15	3.12.15	28.12.15	2.01.16	2.01.2016	04.01.2016 To 08.01.2016	11.01.16 To 22.01.16	-	01.02.16
2	<u>MBA</u>									-	06.01.16 To 22.01.16	-	

THE OXFORD COLLEGE OF ENGINEERING - AQAR OF THE IQAC



CHILDREN'S EDUCATION SOCIETY (REGD)
THE OXFORD COLLEGE OF ENGINEERING
 Bommanahalli, Hosur Road, Bangalore - 68
 080-30219601, Fax: 080-25730551, 30219629,

EVEN SEMESTER PLAN 2015-16 (FEB 2016 – JULY 2016)

S.NO	PROGRAMS	COMMENCEMENT OF EVEN SEM	I-INTERNAL TEST		II-INTERNAL TEST		III-INTERNAL TEST		LAST WORKING DAY	PRACTICAL EXAM	THEORY EXAM	VIVA VOCE	SUMMER PROJ./ PROGRESSIONAL TRAINING	COMMENCEMENT OF ODD SEM
			TEST START	REPORT	TEST START	REPORT	TEST START	REPORT						
1	BE/B.ARCH II SEM	01.02.16	29.02.16	11.03.16	28.03.16	09.04.16	21.04.16	02.05.16	21.05.16	26-05-16 TO 06-06-16	08-06-16 TO 10-07-16			01.08.2016
	B.E./B.ARCH IV/VI SEM	18.01.16	To 02.03.16		To 30.03.16		To 23.04.16							
2	B.E. VIII SEM.	18.01.16	29.02.16 To 02.03.16	11.03.16	28.03.16 To 30.03.16	09.04.16	21.04.16 To 23.04.16	02.05.16	21.05.16	-	26.05.16 To 04.06.16	08.06.16 To 13.06.16		
3	MCA- II SEM	01.02.16	29.02.16 To 02.03.16	11.03.16	28.03.16 To 30.03.16	09.04.16	21.04.16 To 23.04.16	02.05.16	21.05.16	26-05-16 To 30-05-16	01.06.16 To 20.06.16			01.08.2016
4	MCA- IV SEM	18.01.16	29.02.16 To 02.03.16	11.03.16	28.03.16 To 30.03.16	09.04.16	21.04.16 To 23.04.16	02.05.16	21.05.16	26-05-16 To 30-05-16	01.06.16 To 20.06.16			01.08.2016
5	MCA- VI SEM	18.01.16							21.05.16				25-5-16 TO 10-6-16 Submission of report to VTU	
6	MBA- II SEM	01.02.16	29.02.16 To 02.03.16	11.03.16	28.03.16 To 30.03.16	09.04.16	21.04.16 To 23.04.16	02.05.16	21.05.16		26-5-16 TO 12-6-16			01.08.2016
7	MBA- IV SEM	18.02.16	28.03.16 To 30.03.16	09.04.16	25.04.16 To 27.04.16	06.05.16	23.05.16 To 25.05.16	02.06.16	08.06.16		10-6-16 TO 25-6-16		01.04.16 TO 16.04.16 Submission of report to VTU	
8	M.TECH. II SEM	01.02.16	29.02.16 To 02.03.16	11.03.16	28.03.16 To 30.03.16	09.04.16	21.04.16 To 23.04.16	02.06.16	21.05.16	26-5-16 TO 30-5-16	01.06.16 To 20.06.16			01.08.2016 Internship of 16 weeks
9	M.TECH. IV SEM	26.12.15	01.02.16 To 02.02.16	11.02.16	03.03.16 To 04.03.16	13.03.16	04.04.16 To 05.04.16	14.04.16	11.04.16		26.05.16 To 31.05.16		11.05.2016 To 25.05.2016 Submission of report to VTU	

DATE: 19.01.2016

Dr. 
PRINCIPAL
 The Oxford College of Engineering

2.16 **Whether the AQAR was placed in statutory body** Yes No

Management Syndicate Any other body

Provide the details of the action taken

The Management had approved the AQAR and suggested to implement more research activities and to conduct more International and National Conferences.

CRITERION – I

1. Curricular Aspects

1.1 Details about Academic Programmes

Level of the Programme	Number of existing Programmes	Number of programmes added during the year	Number of self-financing programmes	Number of value added / Career Oriented programmes
PhD	10	-	10	-
PG	12 (M.Tech) 1 (MBA) 1(MCA)	-	14	-
UG	11	-	11	-
PG Diploma	-	-	-	-
Advanced Diploma	-	-	-	-
Diploma	-	-	-	-
Certificate	-	-	-	15*
Others	-	-	-	Guest Lecture - 49 Workshops - 13 Seminar – 4 Symposium- 1 National Conference – 1 International Conferences – 1 Technical Fests- 1 FDPs – 4 CSI - 3 Science Quiz – 1 Science Exhibition-1 Soft Skill Training – 4 MOUs - 5
Total	35		35	103

Interdisciplinary		4**		
Innovative		14***		

***List of Value Added/ Career Oriented technical training programmes for final year BE / MBA and MCA students for the Year 2015 -16.**

- 1) Technical training in Android Applications Development for ISE students from 25/04/2016 to 01/05/2016

- 2) Technical training in Android Applications Development for CSE students from 25/04/2016 to 01/05/2016
- 3) Technical training in Android Applications Development for MCA students from 25/04/2016 to 01/05/2016
- 4) Technical training in CCNA for ISE students from 25/04/2016 to 01/05/2016.
- 5) Technical training in CCNA for CSE students from 25/04/2016 to 01/05/2016.
- 6) Technical training in CCNA for MCA students from 25/04/2016 to 01/05/2016.
- 7) Technical training in JAVA and J2EE for ISE students from 25/04/2016 to 01/05/2016.
- 8) Technical training in JAVA and J2EE for CSE students from 25/04/2016 to 01/05/2016.
- 9) Technical training in JAVA and J2EE for MCA students from 25/04/2016 to 01/05/2016.
- 10) One day Certification Course on PHP and MySQL was conducted on October 15th 2015 by Spoken Tutorial Team, IIT-Bombay.
- 11) One day Certification Course on Python was conducted on April 7th 2016 by Spoken Tutorial Team, IIT-Bombay.
- 12) Program given to 8th Semester Students "Being Employable" conducted by the School of Construction Management Excellence [S-CME] for 4 days from 3rd to 6th May, 2016.
- 13) Certification Programme on Business Analytics for 4th semester MBA students
- 14) Conducted AUTODESK Certification program on Revit Architecture. Organized by EDS technologies for VI semester students of civil engineering.
- 15) Hands on training on Multiplex Real Time PCR and demonstration of microarray techniques for 8th semester Biotechnology students was conducted from 13-17 June 2016, by 3i Molecular Solutions and Healthcare Services Pvt Ltd, Bangalore.

****Interdisciplinary**

- 1) The department of CSE, MBA and Mathematics Jointly organized 5 Days FDP on "Mathematics and Statistical Tools for Research Scholars" from 16th June to 20th June 2015.
- 2) Tech Fest "Oxytech 2K16" was organized jointly by the departments of ISE&MCA on 17th & 18th March 2016 sponsored by IEEE, CSI, buddy.in, ORATALENTS, Radio Mirchi, Janasree and NourishCo.

- 3) Under the auspices of the **Science Association** the annual **SCIENCE QUIZ and SCIENCE EXHIBITION** was conducted on 11/03/2016 & 22/04/2016 respectively.
- 4) Project exhibition was conducted for B.E (ISE) and M.Tech (CNE) final year students on 21/05/2016.

MOUs

1. Department of EEE & Venjay Automation signed an MOU on 30/03/16 – training –2 day workshop was conducted.
2. Department of MBA & M/s. Global Mergers was signed on 26/11/15 – provided internship for four MBA students.
3. Department of MBA & M/s. Jupiter Infrastructure was signed on 16/10/15 – internship was provided for one MBA student
4. Department of MBA & M/s. CIS-A2K was signed on 26/11/2015 – provided internship for two MBA students
5. Department of MBA & M/s. Bio-design Farms was signed on 21/04/16 – provided internship for two MBA students

***Innovative

Department of CSE

1. QEEE Program

Live Lectures: A part of (about 1/3rd to begin with) of the selected courses lectures would be delivered live from the IIT classroom to all the students.

Course pack: A supplement study material with lecture notes, live class videos, discussion forums, assessment and evaluation tools to serve as a reference material for QEEE courses.

Live Labs: It creates an opportunity to work on a real lab experiment tailored to suit their syllabus and curriculum.

MOOC (Massive Online Open Courseware): It enables customized learning for students anytime anywhere learning through the internet.

Bridge courses: To bridge the gap between the initial skills of individuals and what they need to enter and succeed in postsecondary education and career-path employment.

2. ACM chapter

Under the “The Oxford Students’ Chapter of the ACM” students of first year M.Tech has been registered. The chapter is monitored by the Head of the

Department, faculty and students coordinators. All the faculty of the Department of Computer Science and Engineering has registered for ACM Professional membership.

3. Spoken Tutorial

Five Free and Open Source Software courses on Core Java, Perl, Linux was organized by the department of CSE for the academic year 2015-16.

S. No	Name of Workshop	Workshop Conducted	No. of Participants	No. of students got Certificates
1	Core Java	Aug-2015	87	60
2	Perl	Sep-2015	87	75
3	Core Java	Oct-2015	87	78
4	Linux	Jan-2016	140	95
5	Core Java	Feb-2016	140	87

4. Toggle Student Club

TOGGLE is a group established at The Oxford College of Engineering under the guidance of FSMK (Free Software Movement of Karnataka) to create awareness on open software and hardware. FSMK student volunteers conducted 7 workshops and interactive sessions on different domain in the current academic year.

Department of ECE

5. Technical Club "Lakshya" - innovative projects of students and staffs are discussed in this forum. A PROJECT based on 'EASE OF USE OF A SMART DEVICE FOR PERSON WITH DISABILITY TO INTERACT WITH A COMPUTER'. The main object of this project is to show the Human interface (HI) with computer for PWD (person with disability), Speech impairment & Handicapped.

6. "Online Feedback Management System(TOCE)" was introduced in which feedback from the students is taken for a faculty according to their subjects.

Department of MBA

7. 10-Day Orientation Programme for 1st Semester MBA students.

8. Certification Programme on Bio-diversity live project (Pre conclave bio diversity summit).
9. Creative Clubs (Movie, Communication, Case study).
10. Collaboration with University of Guadalajara, Mexico. For conducting an International Conference (IMIEB 2016).
11. Human Rally chain- NSS activity organised in collaboration with Karnataka State Commission for protection of child rights (KSCPCR).

Department of Biotechnology

12. On 19th August 2015 Department organized Biomodel competition on Herbaria- Models on cancer drug. Department organised inter departmental poster presentation on CELL BIOLOGY AND MICROBIOLOGY on 14.08.2015.

The Oxford School of Architecture

13. Bio Mimicry- Bio Design Farm- My City My Way in collaboration with MBA Dept. - The Oxford College Of Engineering was conducted on 02.03.16 by Ar. Vivin Agarwal- Chairman Bio Design.
14. The Oxford School of Architecture has extended service to clean document services with the supervision of ASI (Archeological Survey of India) at Bhoganandhishwara temple at Nandi, Chikaballapura Taluk – **Institutional Social Responsibility Initiative**. TOSA have also documented Mule Shankareswara temple at Turuvekere, Nagamangala Taluk.

1.2 (i) Flexibility of the Curriculum: CBCS/Core/Elective option / Open options

The Oxford College of Engineering is self- financing institution, recognized by the Government of Karnataka, approved by AICTE and affiliated to Visvesvaraya Technological University, Belgaum, Karnataka. From 2015- 16 batch, all BE courses are following the Choice Based Credit System (CBCS) scheme that has been introduced by Visvesvaraya Technological University. The M.Tech, MBA and

MCA follow the core/elective option curriculum designed by the affiliating Visvesvaraya Technological University, Belgaum. The curriculum is implemented by the institution through a systematic plan of action which includes semester plan, lesson plan, course file, assignments, internal assessment test schedule.

(ii) Pattern of programmes:

Pattern	Number of programmes
Semester	UG – 11; PG – 14; PhD-10
Trimester	-
Annual	-

1.3 Feedback from stakeholders*

(On all aspects)

Alumni Y Parents Y Employers Y Students Y

Mode of feedback : Online Y Manual Y Co-operating schools (for PEI) -

***Please provide an analysis of the feedback in the Annexure (Enclosed as Annexure A)**

1.4 Whether there is any revision/update of regulation or syllabi, if yes, mention their salient aspects.

As we a University affiliated college (VTU), the BE courses are revised once in four years, M.Tech courses are revised once in two years, the MCA programme is revised once in three years and the MBA is revised once in two years. In August 2015 Choice Based Credit System was introduced in all B.E courses. The salient aspects of CBCS are:

- Provides students with greater flexibility in choice of courses;
- Provides students with multi-disciplinary curriculum;
- Enables students to choose courses at basic/advanced level/inter-disciplinary;
- Enables students to acquire job oriented skills;
- Bridges the gap between professional and social exposure to provide a holistic education.

1.5 Any new Department/Centre introduced during the year. If yes, give details.

- The Department of Biotechnology has set up a **Centre for Computational Medicinal Chemistry** lab has been set up from the support of VGST-K-FIST (Govt of Karnataka funded) project in 2015-16 year for students and faculty projects.

CRITERION – II

2. Teaching, Learning and Evaluation

2.1 Total No. of permanent faculty.

Total	Asst. Professors	Associate Professors	Professors	Others
382	250	87	45	-

2.2 No. of permanent faculty with Ph.D.

44

2.3 No. of Faculty Positions Recruited (R) and Vacant (V) during the year.

Asst. Professors		Associate Professors		Professors		Others		Total	
R	V	R	V	R	V	R	V	R	V
73	-	11	-	12	-	-	-	96	-

2.4 No. of Guest and Visiting faculty and Temporary faculty.

Guest Lecture	Visiting Faculty	Temporary Faculty
-	39	-

2.5 Faculty participation in conferences and symposia:

No. of Faculty	International level	National level	State level
Attended Seminars/	9	12	03
Presented papers	106	56	-
Resource Persons	04	02	01

2.6 Innovative processes adopted by the institution in Teaching and Learning:

SI.NO.	INNOVATIVE PROCESSES
1	MASSIVE OPEN ONLINE COURSE SESSIONS
2	QUIZ FOR CURRICULUM SUBJECTS
3	PROJECT EXHIBITION FOR FINAL YEAR STUDENTS
4	INDUSTRIAL VISITS & FIELD VISITS
5	TECHNICAL TRAINING PROVIDED TO FINAL YEAR STUDENTS

2.7 Total No. of actual teaching days during this academic year.

176

2.8 Examination/ Evaluation Reforms initiated by the Institution (for example: Open Book Examination, Bar Coding, Double Valuation, Photocopy, Online Multiple Choice Questions).

As per Visvesvaraya Technological University, norms

2.9 No. of faculty members involved in curriculum restructuring/revision/syllabus development as member of Board of Study/Faculty/Curriculum Development workshop.

Board of Study	Board of Faculty	Curriculum Development Workshop
4	2	0

2.10 Average percentage of attendance of students

85

2.11 Course/Programme wise distribution of pass percentage :

Computer Science and Engineering						
Title of the Programme	Total no. of students appeared	Division				
		Distinction %	First Class %	Second Class %	Third Class %	Pass %
B.E	128	62	33	2	-	97
M.Tech	15	100	-	-	-	100

Information Science and Engineering						
Title of the Programme	Total no. of students appeared	Division				
		Distinction %	First Class %	Second Class %	Third Class %	Pass %
B.E	101	70	29	-	-	99
M.Tech(CNE)	16	100	-	-	-	100

Electronics and Communication Engineering						
Title of the Programme	Total no. of students appeared	Division				
		Distinction %	First Class %	Second Class %	Third Class %	Pass %
B.E	130	74	26	-	-	89
M.Tech(DEC)	13	100	-	-	-	100
M.Tech(DCN)	13	100	-	-	-	100
M.Tech(VLSI)	17	100	-	-	-	100

Electrical and Electronics Engineering						
Title of the Programme	Total no. of students appeared	Division				
		Distinction %	First Class %	Second Class %	Third Class %	Pass %
B.E	101	81	19	-	-	71
M.TECH(PE)	16	100	-	-	-	100
M.TECH (CAID)	13	100	-	-	-	100

Mechanical Engineering						
Title of the Programme	Total no. of students appeared	Division				
		Distinction %	First Class%	Second Class%	Third Class %	Pass %
BE	116	68	18	-	-	90
M.Tech (MMD)	18	83	17	-	-	100
M.Tech (TPE)	18	72	22	01	-	100

Biotechnology						
Title of the Programme	Total no. of students appeared	Division				
		Distinction %	First Class %	Second Class%	Third Class %	Pass %
B.E	33	91	9	-	-	100
M.Tech	04	100	-	-	-	100

Civil Engineering						
Title of the Programme	Total no. of students appeared	Division				
		Distinction %	First Class %	Second Class%	Third Class %	Pass %
B.E.	47	85	6	-	-	72.3
M.TECH	16	75	25	-	-	100

Construction and Technology Management						
Title of the Programme	Total no. of students appeared	Division				
		Distinction %	First Class %	Second Class%	Third Class %	Pass %
BE	9	100	-	-	-	100

Automobile Engineering						
Title of the Programme	Total no. of students appeared	Division				
		Distinction %	First Class %	Second Class %	Third Class %	Pass %
B.E	12	100	-	-	-	100

Mechatronics						
Title of the Programme	Total no. of students appeared	Division				
		Distinction %	First Class %	Second Class %	Third Class %	Pass %
B.E	32	100	-	-	-	100

Master of Business Administration						
Title of the Programme	Total no. of students appeared	Division				
		Distinction %	First Class %	Second Class %	Third Class %	Pass %
MBA	86	27	46.5	3.5	-	77

Master of Computer Application						
Title of the Programme	Total no. of students appeared	Division				
		Distinction %	First Class %	Second Class %	Third Class %	Pass %
MCA	110	99	1	-	-	100

2.12 How does IQAC Contribute/Monitor/Evaluate the Teaching & Learning processes:

1. IQAC has been closely monitoring the teaching & learning process starting from lesson plans, class notes till the delivery and suggesting the improvements.
2. IQAC monitors the conduct of Internal Assessment Test and VTU examinations including the practical examinations in all the departments.

3. IQAC members regularly monitor the tutorial classes being conducted in all the departments and Counsel the faculty members for excellent delivery.

2.13 Initiatives undertaken towards faculty development

<i>Faculty / Staff Development Programmes</i>	<i>Number of faculty benefitted</i>
Refresher courses	9
UGC – Faculty Improvement Programme	7
HRD programmes	3
Orientation programmes	2
Faculty exchange programme	NIL
Staff training conducted by the university	3
Staff training conducted by other institutions	12
Summer / Winter schools, Workshops, etc.	39
Others(FDP attended /conducted in TOCE)	46

2.14 Details of Administrative and Technical staff

Category	Number of Permanent Employees	Number of Vacant Positions	Number of permanent positions filled during the Year	Number of positions filled temporarily
Administrative Staff	25	-	4	-
Technical Staff	75	Nil	19	-

CRITERION – III

3. Research, Consultancy and Extension

3.1 Initiatives of the IQAC in Sensitizing/Promoting Research Climate in the institution

- More investment for R&D activities through funding from government agencies.
- Conducted technical training on JAVA, CCNA and Android applications.
- Project exhibitions conducted within the department for students. Display their prototypes and it was evaluated by internal and external experts.
- Conduct of intra-departmental and inter-departmental paper presentation competition to help students get more research exposure.
- Increase in the number of industrial visit for students to various external research centers.
- Increase in number of expert lectures with speakers brought from IISC, Raman Research Institute (RRI), Defense Bio Engineering and Bio Medical Laboratory (DEBEL), Baba Atomic and Research Center (BARC).

3.2 Details regarding major projects

	Completed	Ongoing	Sanctioned	Submitted
Number	17	01	00	03
Amount(Lakhs)	178.6 lakhs	20.00		91.86
Outlay in Rs. Lakhs	178.6 Lakhs	20 Lakhs		91.86 Lakhs

3.3 Details regarding minor projects

	Completed	Ongoing	Sanctioned	Submitted
Number	31	-	-	05
Amount(in Thousands)	1.57 Lakhs			28,000
Outlay in Rs. Lakhs	1.57 Lakhs	-		0.28 Lakhs

3.4 Details on research publications

	International	National	Others
Peer Review Journals	101	01	00
Non-Peer Review Journals	12	00	00
e-Journals	16	05	00
Conference proceedings	55	26	00

3.5 Details on Impact factor of publications:

Range Average h-index Nos. in SCOPUS

3.6 Research funds sanctioned and received from various funding agencies, industry and other organisations

Nature of the Project	Duration Year	Name of the funding Agency	Total grant sanctioned	Received
Major projects	2015-2016	Vision Group of Science and Technology	20,00,000	20,00,000
Minor Projects	2015-2016	KSCST	13000	13000
	2015-2016	KSCST	3,000	3,000
	2015-2016	IEEE SIGHT	17,000	17,000
	2015-2016	IEEE SIGHT	17,000	17,000
Interdisciplinary Projects	2015-2016	KSCST	6000	6000
Industry sponsored	-	-	-	-
Projects sponsored by the University/ College	-	-	-	-

THE OXFORD COLLEGE OF ENGINEERING - AQAR OF THE IQAC

Nature of the Project	Duration Year	Name of the funding Agency	Total grant sanctioned	Received
Students research projects (other than compulsory by the University)	2015-2016	KSCST	9000	9000
	2015-2016	KSCST	31,000	31,000
	2015-2016	KSCST	5,000	5,000
Any other(Specify)	-	-	-	-
Total in Lakhs	-	-	21.01 Lakhs	21.01 Lakhs

3.7 No. of books published

i) With ISBN No. Chapters in Edited Books

ii) Without ISBN No.

3.8 No. of University Departments receiving funds from

UGC-SAP CAS DST-FIST

DPE DBT Scheme/funds

3.9 For colleges

Autonomy CPE DBT Star Scheme

INSPIRE CE Any Other (specify)

3.10 Revenue generated through consultancy

3.11 No. of conferences organized by the Institution

Level	International	National	State	University	College
Number	01	01	-	-	-
Sponsoring agencies	-	Katwa Software Technologies	-	-	-

3.12 No. of faculty served as experts, chairpersons or resource persons

07

3.13 No. of collaborations

International

01

National

04

Any other

03

3.14 No. of linkages created during this year

13

3.15 Total budget for research for current year in lakhs:

From Funding agency

-

From Management of University/College

Rs.3,20,000/-

Total

Rs.3,20,000/-

3.16 No. of patents received this year

Type of Patent		Number
National	Applied	-
	Granted	-
International	Applied	-
	Granted	-
Commercialised	Applied	-
	Granted	-

3.17 No. of research awards/ recognitions received by faculty and research fellows Of the institute in the year

Total	International	National	State	University	Dist	College
-	-	-	-	-	-	-

3.18 No. of faculty from the Institution

who are Ph. D. Guides

44

and students registered under them

48

3.19 No. of Ph.D. awarded by faculty from the Institution

-

3.20 No. of Research scholars receiving the Fellowships (Newly enrolled + existing ones)

JRF SRF Project Fellows by other

3.21 No. of students Participated in NSS events:

University level State level
 International level National level

3.22 No. of students participated in NCC events: N/A

University level State level
 National level International level

3.23 No. of Awards won in NSS:

University level State level
 National level International level

3.24 No. of Awards won in NCC:

University level State level
 National level International level

3.25 No. of Extension activities organized

University forum College forum
 NCC NSS other

3.26 Major Activities during the year in the sphere of extension activities and Institutional Social Responsibility

The institute is engaged in developing infrastructure facility to carry out research which benefit the society in the following domains

1. Institution is supporting the drug discovery programme by establishing received infrastructure to carryout research in Tuberculosis, Cancer and Diabetics etc.,

2. Institute is aiming at developing Bioremediation strategies for oil spill clean-up in collaboration with Naval Research Board-DRDO & Naval Materials Research Laboratory Mumbai, which helps the society to clean up oil spill from the environment.
3. Institute is actively engaged in the herbal drugs research in collaboration with DAE-Board of Research in Nuclear Science (BRNS) and BARC Mumbai. Which aims at developing Herbal formulation to mitigate the toxic effect of radiation treatment for Cancer patients
4. Institute is proud to state that in collaboration with National Innovation Foundation, Ahmadabad, in validating the ethnomedicinal claims which helps the society to provide scientific proof for ethnomedicinal claims.
5. Projected Funded by Naval Research Board , DRDO: in this project we have developed the design parameter for the Fiber Bragg Grating Sensor for the Structural Health Monitoring. With this outcomes we can embeded the optical Sensor in the Ship/Aircraft where continuous monitoring can be done for any Crack, Stress, Strain and any kind of deformity. So in advance we can take care of the aircraft or ship before it will collapse.
6. Project funded by IEEE USA: This project includes the Head Mount Device for the Handicapped person , so if hand is not there how they can interact with computer, So we have developed an device mounted on the head so that disable person can also handle the computer. This device can change the society if all the handicapped / Older people can able to interact with computer. We can have a better society interms of employment, sharing of experience of the older people.
7. Another IEEE funded Project: In this we have developed a GSM based device for the Health Monitoring system for the pregnant lady remotely. who cannot able to come to Doctor. By using this device Doctor will come to know basic health parameter like Temp., Heartbeat, Press. Etc.. And through NGO they can be advised also.
8. VGST funded project: Here practically we have done the routing and topology by using optical fiber communication system, where we can establish in the small network without having the internet connection we can send the data efficiently without much packet loss. This will have a great impact on the society like some confendial data like defence data, Banking data which we do not want to disclose to any one , we can send without internet in the small network by Broadcasting method by using Star topology.
9. Early stage detection of the cancer cell: Here we have given the design parameter of the Photonics based chip design , which can be fabricated in IISc further. Before cancer will be in advance it can able to trace and can be cured in the DNA level.

CRITERION – IV

4. Infrastructure and Learning Resources

4.1 Details of increase in infrastructure facilities:

Facilities		Existing	Newly Created	Source of Fund	Total
Campus area		6.25 acres	Nil		6.25
Class Rooms	General Class Rooms	77	Nil		77
	Gallery Type class Room	10	Nil		10
	Auditorium	1	Nil		1
	Mini auditorium	2	Nil		2
	Tutorial Rooms	43	Nil		43
Laboratories	Research Laboratory	11	Nil		11
	Engg. / Technology labs	70	Nil		70
	Basic Science Laboratory	4	Nil		4
	Central Computer Centre	2	Nil		2
Seminar Halls		10	Nil		10
No. of important equipments purchased (≥ 1-0 Lakh) during the current year		8383	10	College Management + External funding agencies	8393
Value of the equipment purchased during the year (Rs. In Lakhs)		20,97,37,443	19,38,724	College Management + External funding agencies	21,16,76,167
Others		Nil	Nil	Nil	Nil

4,2 Computerization of administration and library

S. No.	Facilities Developed & Implemented
1	Payroll for entire campus completely automated
2	IT calculations and submission computerized
3	Anti Ragging Affidavit system computerized
4	Campus Management system is enhanced for better utilization

4.3 Library services:

	Existing		Newly added		Total	
	No.	Value	No.	Value	No.	Value
Text Books	52650	15347516	77	3919	52727	15351435
Reference Book	3038	1309200	00	00	3038	1309200
e-Books	-	-	-	-	-	-
Journals	1350 (BV)	3376355	-	-	1350 (BV)	3376355
e-Journals	VTU consortium	6669984	21988	915406	21988	7585390
Digital Database	07	-	07 (Renewed)	-	07	-
CD & Video	2396	-	-	-	2396	-
Others. (specify) (NPTL, News Papers, Magazines)	11	144214	03 + (Renewed)	15786	14	160000
Total				4306472		27782380

4.4 Technology up gradation (overall)

	Total Computers	Computer Labs	Internet	Browsing Centre	Computer Canters	Office	Department	Others
Existing	1686	20	15mbps-BSNL 16mbps Reliance	2	2	Printers	-	Nil
Added	60	3	Firewall upgraded Cyberoam 10.6.2	Nil	Nil	Nil	-	-
Total	1746	23	3	2	2	-	-	-

4.5 Computer, Internet access, training to teachers and students and any other programme for technology up gradation (Network, e-Governance etc.)

- Softskill Training.
- Technical Training & Workshop.
- FDP for Technical and Teaching and Technical Staff.
- System Upgradation.

a) Training and any other programme for technology upgradation to staff members:

S. No.	Date	Programme	Topic	No. of Participants
1	9.2.16- 13.2.16	FDP	Current approaches in computer assisted Drug discovery and Development	03 CSE
2	11.1.16- 16.1.16	FDP	Migration to open source platform	All CSE staffs
3	16.6.15- 20.6.15	FDP	Mathematics and Statistic tools for research scholarship 5.5 F.D.T (TOCE)	All staffs CSE
4	6.11.15- 7.11.15	Workshop	National workshop on knowledge Discovery with open source machine learning tools for science and engineering	03 CSE
5	9.2.16	FDP	Current approaches in drug in discovery & Development (CADD	12 BT
6	16.6.15 to 20.6.15	FDP	Mathematical & Statistical tools for regular scholars	06 EEE

THE OXFORD COLLEGE OF ENGINEERING - AQAR OF THE IQAC

S. No.	Date	Programme	Topic	No. of Participants
7	21.4.16	Guest Lecture	Solid waste management	12 Civil
8	16.6.15	5 day FDP	Maths and statistical tools for research scholars	12 MBA
9	16-6-15	FDP (Jointly with CSE/Maths)	Maths and statistical tools for research scholars	14 MBA
10	Aug 2015	Seminar	Alucobound	10 B. Arch
11	Aug 2015	Seminar	Light weight roofs	20 B. Arch
12	12,13 th Sep. 2015	Conference on Contemporary Issues	Urban Transformation and Trends in Urban transformation	20 B. Arch

b) Training and any other program for technology upgradation to Students:

S. No.	Date	Programme	Topic	No. of Participants
1	26.4.16-4.5.16	Technical Training JAVA and CCNA	J2EE training	130 CSE, ISE,ECE
2	16.4.16	Guest Lecture 3.4	Tech Talk - 2016	81 CSE
3	17.3.16-18.3.16	Oxytech 2k16	Coding and IT manager event	97 CSE
4	7.3.16	TOGGLE	Project implementation using open source software	85 CSE
5	4.3.16	Techmania 3.4	Technical event	98 CSE
6	4.3.16	Guest Lecture 3.4	Animation, Visual effects and gaming	103 CSE
7	15.2.16-20.2.16	Guest Lecture	Personal growth session for students	88 CSE
8	12.2.16	Guest Lecture 3.4	Routing and switching on Networking	92 CSE
9	30.1.16	TOGGLE	Hand on session on web programming	94 CSE
10	28.1.16	TOGGLE	Workshop on introduction to web programming	130 CSE,ISE
11	10.10.15	Guest Lecture	Internet of Things	79 CSE
12	30.9.15	Guest Lecture 3.4	Business Analytic/Big Data Analytic in career opportunities	73 CSE
13	16.9.15	TOGGLE	Fundamentals of Data Structures	81 CSE
14	29.8.15	Guest Lecture 3.4	Project Management	84 CSE
15	25.8.15	Guest Lecture 3.4	Code Versioning and Management	91

THE OXFORD COLLEGE OF ENGINEERING - AQAR OF THE IQAC

S. No.	Date	Programme	Topic	No. of Participants
			using GIT	CSE
16	25.8.15	Guest Lecture 3.4	WDM optical Networks: Routing and slot Allocation algorithm	93 CSE
17	26.8.15	TOGGLE	Basics of C and Introduction to Linux	97 CSE
18	9.8.15	TOGGLE	Basics of PYTHON	92 CSE
19	25.4.16 to 1.5.16	Technical Training	CCNA Training	110 ISE
20	25.4.16 to 1.5.16	Technical Training	Android Training	196 ISE
21	30.3.16	Guest Lecture	Internet Things using RASPBERRY PI	115 ISE
22	23.3.16	Guest Lecture	\$G With Focus on LTE and in Architecture	74 ISE
23	30.10.16	Guest Lecture	The concept of Un decidability in connecting with formal languages and problems solving	62 ISE
24	15.10.15	Guest Lecture	Complexities of Turing Machine and their programming techniques	81 ISE
25	30.9.15	Guest Lecture	Importance lifelong learning	97 ISE
26	17.10.15	CSI Activity	Latest Trends in it	97 ISE
27	19.9.15	CSI Activity	Android test automation frame work	81 ISE
28	20.1.16	CSI Activity	Cloud computing	97 ISE
29	18.4.16	CSI Activity	IOT opportunities , challenges and solutions	50 ISE
30	6.4.16	Technical Training	Msp430	35 ECE
31	31.3.16 to 1.4.16	Technical Training	MSP430	86 EEE
32	15.9.16 to 17.9.16	Technical Training	Hands on Robotics	60 EEE
33	3.5.16 to 6.5.16	Technical Training	Being Employable	9 CTM
34	3.5.16	Being employable	Construction Technology Management	60 Civil
35	27.1.16	Certificate program me	Certificate program on business analytics	100 MBA
36	25.04.16 to 04.05.16	Technical Training program	Android Applications Development	196 MCA
37	07.08.2015	Guest Lecture	Big Data And Hadoop Developer	100 MCA
38	20.08.2015	Guest Lecture	SAP Training Program Overview	100 MCA
39	01.02.16	Guest Lecture	Stock Mind Season for Share trading	100 MCA
40	15.10.15	Spoken Tutorial	PHP & My SQL	49 MCA

THE OXFORD COLLEGE OF ENGINEERING - AQAR OF THE IQAC

S. No.	Date	Programme	Topic	No. of Participants
41	5-9-2015	Talk	Architectural Practices and Sustainability	120 B.Arch.
42	5-9-2015	Talk	Er.Benjamina from Nottingham University, U.K. Gave a presentation on PASSIVE COOLING TECHNIQUES	120 B.Arch.
43	3-2-2016	Workshop	Applications of Bio-Mimicry in Architecture	60 B.Arch.
44	10.03.2016	Workshop	Vastushastra in hospital designing by Dr.N.Madavan	60 B.Arch
45	21.03.2016	NGMA visit & Sketching workshop	Basic Design and Visual Arts Mr. Venu	80 B.Arch

4.6 Amount spent on maintenance in Lakhs:

1	ICT	11,55,000/-
2	Campus Infrastructure and facilities	50,32,606/-
3	Equipments	25,44,630/-
4	Others	1,51,593/-
TOTAL		88,83,829/-

CRITERION – V

5. Student Support and Progression

5.1 Contribution of IQAC in enhancing awareness about Student Support

1. The presence of students in IQAC has enhanced the awareness about quality amongst them.
2. The technical course contents are made available to the students through CMS.
3. The undertaking of Anti ragging committee Affidavit is being automated.

5.2 Efforts made by the institution for tracking the progression

1. Mentors are allotted to track the mentee.
2. Student evaluation committee is constituted to evaluate overall performance of students.
3. Counseling sessions are scheduled in regular academic activities and a designated counselor attends to the needy students.
4. Yoga practical sessions are conducted in the college for physical wellbeing of students and students
5. Disability resource centre is established at the college.
6. Personal growth sessions are conducted in all departments.

5.3

(a) Total Number of students

UG	PG	Ph. D.	Others
3321	667	48	---

(b) No. of students outside the state

380

(c) No. of international students

13

No	%
2831	70

Men

No	%
1205	30

Women

Last Year						This Year					
General	SC	ST	OBC	Physically Challenged	Total	General	SC	ST	OBC	Physically Challenged	Total
3129	20	71	627	----	4028	2893	232	68	843	----	4036

Demand ratio(2015-16) 1:2

Dropout % (2015-16) .512%

5.4 Details of student support mechanism for coaching for competitive examinations (If any)

- 1.GATE technical workshop is conducted for interested students from 14/03/2016 to 19/03/2016 by TIMES Bangalore .
- 2.Students of ECE department attended BSNL silver Certified Engineers programme sponsored by AICTE.
- 3.Placement department is conducting soft skill training regularly in the college
- 4.Technical Skill Development; Add on Courses are being conducted for all students.

No. of students beneficiaries

1070

5.5 No. of students qualified in these examinations

NET	<input type="text"/>	SET/SLET	<input type="text"/>	GATE	<input type="text" value="1"/>	CAT	<input type="text"/>
IAS/IPS etc	<input type="text"/>	State PSC	<input type="text"/>	UPSC	<input type="text"/>	NATA	<input type="text" value="256"/>
PGCET	<input type="text" value="667"/>						

5.6 Details of student counselling and career guidance

Academic interactions from external experts are a vital part of co-curricular events scheduled in each department.

1. 10 day orientation was given to 1st sem MBA students by external expert.
2. A two day workshop "MSP430 Embedded system and its application" was organized by EEE & ECE department.
3. A Technical seminar on industrial Automation and robotics by R Vignesh ,Axis Global institute of industrial training for EEE students.
4. Technical training in Android and CCNA Technical Training programme were conducted for 4th semester students from 25th April to 30th April 2016. The trainers were from Koenig Solutions, Bangalore.
5. Spoken Tutorial Team of IIT Bombay in coordination of MCA Department conducted One day certification course on PHP and MYSQL on 15th October 2016.
6. One day Certification Course on Python was conducted on April 7th 2016 by Spoken Tutorial Team, IIT-Bombay.
7. 6 Days Aptitude Training and Personality Development for 5th semester students was conducted on august -2015 by Seventh Sense Talent Solutions, Bangalore.
8. QEEE classes was conducted for 2nd semester students for the subject Object Oriented Programming using C++
9. Dr.S. Raghunath from BMSC delivered an Expert Lecture on" Architectural and Structural applications of Masonry" on 4/10/2015.
10. Dr.P V Sivapullaiah from IISC delivered an Expert Lecture on" Solid waste Management and enhanced uses for Geotechnical Applications" on 21/4/2016.
11. Employability training was conducted by the School of Construction Management Excellence [S-CME] for the VIII semester students from 3rd May 2016 to 6th May 2016.
12. Career Guidance for higher education in foreign universities during September 2015 for all interested students.
13. One day workshop on "MOEMS" on 16th April 2016.
14. Technical talk on "Semiconductor Devices & its future trends" by Dr. Sunil Chitrashekaraiah on 6th April 2016.
15. Technical talk on "Optical fiber transmission system" on 10th February 2016.
16. Expert Lecture on" Trends and Opportunities in Consumer Electronics" on 19th September 2015.
17. Expert Lecture on "Bio Waste based Carbon Nanospheres and its applications.

5.7 Details of campus placement

	On campus		Off Campus
Number of Organizations Visited	Number of Students Participated	Number of Students Placed	Number of Students Placed
52	700	400	50

5.8 Details of gender sensitization programmes

- Anti-sexual Harassment Committee is functioning effectively.

5.9 Students Activities

5.9.1 No. of students participated in **Sports, Games and other events**

State/ University level National level International level

No. of students participated in **cultural events**

State/ University level National level International level

5.9.2 No. of medals /awards won by students in Sports, Games and other events

Sports : State/ University level National level International level

Cultural: State/ University level National level International level

5.10 Scholarships and Financial Support

	Number of students	Amount
Financial support from institution	-----	-----
Financial support from government Department of backward classes Welfare SC/ST (SW)	244	1,15,89,070
SC/ST(DT)	837	11,25,750
OBC	695	1,20,81,430
Financial support from other sources	34	38000
KSCST students project internship		
Number of students who received International/ National recognitions	-----	-----

5.11 Student organised / initiatives

Fairs : State/ University level National level International level

Exhibition:

State/ University level National level International level

Fairs :

1."Oxytech 2k16", a National students' convention and Techno cultural Fest, was organized by the students of MCA and ISE departments of The Oxford college of Engineering on 17th an 18th of March 2016.

5.12 No. of social initiatives undertaken by the students

1. Blood donation camp organized by the college in association with SPARSH Hospital on 06-05-2015.
2. Documentatation of the Bhogandeeshwara temple complex , Nandi village, Chikkabellapur by Architecture department from 06.07.2016 to 13.07.2016
3. NSS Team of MBA Department and KSCPCR conducted the Human Chain Rally as an NSS Activity.The KSCPCR is conducting human chain rally on the occasion of International Child Rights Protection Day on November 20th 2015.

5.13 Major grievances of students (if any) redressed: NIL

CRITERION – VI

6. Governance, Leadership and Management

6.1 State the Vision and Mission of the institution

VISION

“To be a Respected and Most Sought after Engineering Educational Institution Engaged in Equipping Individuals Capable of Building Learning Organizations in the New Millennium”.

MISSION

“To Develop Competent Students with Good Value Systems to Face Challenges of the Continuously Changing World”.

6.2 Does the Institution has a management Information System

Yes, the Institute has Pupilpod, Cloud-Based solution from Thoughtnet, a Managing Information System helping in interaction among stake holders and also effectively communicates academic performance of the students to parents.

6.3 Quality improvement strategies adopted by the institution for each of the following:

6.3.1 Curriculum Development

- Choice Based Credit System (CBCS) was introduced by University in B.E scheme and syllabus for the academic year 2015-16 batch.
- Senior faculty appointed as BOS from the college are invited by the university to suggest necessary changes in the curriculum from time to time to enhance the quality of curriculum.
- Internships are helping PG students in giving practical exposure.
- Soft skills programs were organized for all UG students.
- Focussed skill development programs were given for final year UG students which was outsourced to industry experts.
- Project exhibitions were conducted for all UG final year projects.
- Certification course were organized to improve technical skills of students
- Value added augment technical course are in place.

6.3.2 Teaching and Learning

- Effective teaching methods like, Interactive teaching to create interest in the students, power point presentations, live demos are in place.
- Tutorial classes are helping students to enhance their knowledge in the subject.
- Remedial classes are given to slow learners.
- Regular Quizzes are conducted by the subject teachers to create enthusiasm and interest in the subject.
- Assignments are given on theory and practical components.
- Mock interviews and group discussion are a part of simulation exercises helping them in placements.
- Project internships are giving hands-on exposure to the students.
- Mentoring and counselling of slow learners are part of teaching and learning process.
- Unit-wise Question banks and university Old question papers are discussed in the Discussion hours .
- Guest lecturers from industry experts, Seminars by students on current trends, Techno-cultural fest are helping the students to enhance their knowledge.
- In order to help the students, hands-on exposure, Industrial visits, field trips, site visits are regularly organized.
- Students are motivated by Faculty continuously to present and publish papers at national and international conferences and symposiums.
- Student chapters are helping the students to gain knowledge and information in the subject as well as to get industry exposure.
- Quality Enhancement in Engineering Education (QEEE) classes and spoken tutorial sessions are held to enhance the knowledge of students using ICT.
- Special labs are conducted to help the students to understand elective subjects more effectively.
- Faculty are encouraged to regularly attend FDP's and Workshops to update their knowledge from time to time which helps in teaching learning process.
- For B.Arch. students Design through Analysis - Synthesis, Studio Interactions and Discussions, Case Studies, Activity based Learning methods are used.
- 10 day orientation program was introduced in MBA focussing on preparing students for the course and orienting them towards their career building. HR, Marketing, Finance, Communication and Movie clubs are helping them to apply their theory into practice
- In the PG programs module wise simulation and lateral connectivity sessions are in place

6.3.3 Examination and Evaluation

Examinations are conducted and evaluated as per Visvesvaraya Technological University (VTU) norms

- Three internal assessment tests in each semester and one semester-end examination are in place to evaluate the students' performance and are conducted according to VTU guidelines.
- Faculty nominated as BOE's will ensure the conduction of the semester-end VTU theory as well as practical exams.
- Continuous evaluation in laboratories is helping to enhance their practical knowledge through regular monitoring the progress.
- Extra lab exams are conducted to enhance subject knowledge and understanding.
- Projects are evaluated by a committee at the department level.

6.3.4 Research and Development

- Funded projects are undertaken by the college which benefits the faculty and students to strengthen their research skills.
- Faculty are constantly encouraged to present research Papers in International and National Journals / Conferences .
- 12 Faculty registered for Ph.D. in the academic year 2015-16.
- Faculty and students publish research papers in peer reviewed National and International Journals
- Innovation club and Robotics club activities are helping the students to sharpen their research skills.
- Student projects are value addition for Research and Development at the Institute

6.3.5 Library, ICT and physical infrastructure / instrumentation

- As and when VTU syllabus is revised and as per requirement of departments, books and journals are purchased and added to library.
- Requirements of the equipment/instruments from departments are met from time to time.

6.3.6 Human Resource Management

- Faculty are supported for effective class room teaching and are appraised time to time by HOD and principal.
- Faculty are supported financially to attend Conferences/Workshops/Symposiums/FDP's conducted outside the Institution.
- As per the AICTE norms, faculty and staff requirement is forwarded to Recruitment committee consisting of Principal, Dean Academics, HOD, senior faculty and External subject expertise for further action.

6.3.7 Faculty and Staff recruitment

- Teaching and non- teaching faculty recruitment is done before the commencement of semester based on the department requirement.
- The recruitment committee comprises Principal, Dean-Academics, HOD's and senior faculty Who will conduct the interview and select the candidates and further approved based on qualification, experience and performance
- The selection of the candidates is approved by the Governing Council of college.

6.3.8 Industry Interaction / Collaboration

- Industry interaction activities like, Industrial visits, guest/expert lectures, internships, external funded projects are undertaken to bridge the gap between industry and academia.
- Various departments UG as well as PG signed MOU's with the industries/companies for Internships and Placement of students.

6.3.9 Admission of Students

For UG and PG students' University criteria for admission to various courses are strictly followed.

- UG students take the admission into the college through CET, KRLMPCA entrance examination and based on merit and reservation policies as per government Norms.
- Admission to PG Program is through the PG-CET/KMAT, managed by the University which ensures high transparency and efficiency.

6.4 Welfare schemes for

Teaching	EPF, Free Dental, Physiotherapy and Medical benefits, Sponsorship for higher studies, FDP's and National/International Conferences and regular Yoga programs.
Non- teaching	ESI, Medical Benefits, EPF, Skill Development Programs and regular Yoga programs.
Students	Student Group Insurance, Endowment Fund, Scholarships, Mentoring & Counselling, Career Guidance, Medical Benefits, Student Chapters, Clubs and Parent Relations Centre. Disability Centre is established to support with learning disabilities and other physically challenged students.

6.5 Total corpus fund generated

30 crores

6.6 Whether annual financial audit has been done

Yes No

6.7 Whether Academic and Administrative Audit (AAA) has been done?

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic	Yes	1)S. Venkatesan & Co 2)B M Reddy & Co.	Yes	Chairman, Children's Education Society, The Oxford Educational Institutions
Administrative	Yes	1)S. Venkatesan & Co 2)B M Reddy & Co	Yes	Chairman, Children's Education Society, The Oxford Educational Institutions

6.8 Does the University/ Autonomous College declares results within 30 days?

For UG Programmes Yes No

For PG Programmes Yes No

6.9 What efforts are made by the University/ Autonomous College for Examination Reforms?

- **Quality improvement with regard to QPDS and Thesis submission are in place.**

6.10 What efforts are made by the University to promote autonomy in the affiliated/constituent colleges?

- University has granted permanent affiliation for seven undergraduate programs and 2 PG programs and remaining UG programs are in the process to get permanent affiliation.
- Grant of UGC under section 2(f) and college applied for Grant of 12(b) status under UGC.

6.11 Activities and support from the Alumni Association

All passed out students are registered in Alumni Association. Alumni are active in connecting students to corporate by delivering guest lectures, being part of fests and helping the existing students to bridge the gap of academic and corporate knowledge and supports the Placement department in need.

6.12 Activities and support from the Parent – Teacher Association

- Parent Relation Centre maintains the database of all the departments pertaining to the visit of the parents and issues addressed at the department level by the teachers and HODs.
- Pupilpod, a Management Information Systems helps to keep effective interaction between parents and teachers. Through this MIS, regular communication about attendance and performance of the pupil is sent to the parents.

6.13 Development programmes for support staff

College continues to conduct skilled development program to the non - teaching staff regularly

6.14 Initiatives taken by the institution to make the campus eco-friendly

- Installation of Solar street lights inside the campus.
- Making campus go- green by planting trees in the campus.
- Making the campus plastic free zone.
- Continue to reduce paper usage by effective MIS i.e. Pupilpod.
- Using recycled water in flush tanks in bathrooms and to water the plants
- Buildings are designed in such a way to be effective in utilization of natural light and ventilation.

CRITERION – VII

7. Innovations and Best Practices

7.1 Innovations introduced during this academic year which have created a positive impact on the functioning of the institution.

FLUORIDE BY USING LOW COST ADSORBENTS

High Fluoride levels in drinking water has become one of the most critical health hazards and more and more people have been drawn attention to this problem. Fluoride in nature exists as mineral deposits and naturally, contaminates our ground water resources. Besides, surface water is also being polluted by fluoride due to various anthropogenic activities.

This study was undertaken to investigate the removal of total fluoride from synthetic effluents by adsorption means using inexpensive adsorbents such as ceramic tiles powder and local brick powder as adsorbents in order to achieve the removal efficiency. The adsorbents chosen are readily available, inexpensive, and very effective in removing fluoride and nontoxic. The fluoride was estimated using SPADNS method and the color was quantified using a UV-Spectrophotometer.

DEPLOYMENT OF A SMART DEVICE FOR PERSON WITH DISABILITY TO INTERACT WITH A COMPUTER

The main objective is to provide Human Interface (HI) with computer for PWD (person with disability) like Speech impairment, by using Voice Command applications enabled for left mouse click, right mouse click, double click, and other computer operations. An accelerometer-based wireless hardware is developed for cursor movement for handicapped persons, which will be mounted in the helmet or cap by using Microcontroller PIC877X.

This technology will be used to help patients who don't have control of their limbs and has wide applications in the fields of augmented reality, computer graphics, computer gaming, prosthetics, and biomedical instrumentation.

7.2 Provide the Action Taken Report (ATR) based on the plan of action decided upon at the beginning of the year

- Career Oriented technical training programmes for final year BE / MBA and MCA students
- MoUs with industries
- Project based Learning and exhibition
- Add on certification courses
- Establishment of Centre of Excellence
- Strengthening the R&D culture in the campus
- Industry Institute Interaction
- Automated Feed back Mechanism
- Outcome based Remedial classes
- Personal growth session and Yoga session

Career Oriented technical training programmes for final year BE / MBA and MCA students:

Career oriented advanced technical training programmes have been conducted in various disciplines to match the industrial requirements.

MoU Signed industries : MoUs were signed with the Industries of various streams. Through these MoUs the Industry people come and train the students and staff to match their knowledge with the current trend of the industry.

Project based Learning and Exhibition: Project exhibition was conducted for B.E and M.Tech final year students at the end of the semester. Under the auspices of the Science Association, the annual SCIENCE QUIZ and SCIENCE EXHIBITION were also conducted.

Add on certification courses: Additional certificate courses were conducted by premier institutes and industries to encourage the students to enhance their technical skills.

Establishment of Centre of Excellence: Having the Centre of Excellence, the institute have been benefited in acquiring various projects funded by IEEE USA, Indian Naval Board, VGST and various funding agencies.

Strengthening the R&D culture in the campus : R&D centres are established in different departments of the institute where research activities are done in various fields (their respective domain) and outcomes are presented in the form of publications/patents/projects. Further these project proposals can bring financial support from different funding agencies.

Industry Institute Interaction: During the research activities, faculties involved in research are in constant interaction with various companies/industries and medical colleges depending on the nature of research.

Automated Feedback Mechanism : With the help of feedback mechanism, faculties can improve their teaching methodologies, and enhance their relationship with students.

Outcome based Remedial classes: The conduction of remedial classes have been helping the weaker students to understand the subject in a still better way.

Personal growth session and Yoga sessions: FDP's, research activities, conferences, seminars conducted helps the faculties to improve their technical knowledge and to get expertise in their research area and Yoga sessions helps the both faculties and students to be physically and mentally fit.

7.3 Give two Best Practices of the institution (*please see the format in the NAAC Self-study Manuals*)

Best Practices – I

Title of the Practice: Proctor System

Objective

The main objective of the Proctor System is to ensure that each student is taken care individually during which they can discuss about the development of their academic career.

The Context

A great advantage of the Proctor system is the individual attention that students receive. Every 10 students in each class will have a dedicated Proctor.

The designed proctor provides an academic reference to expert services with regards to study, industrial readiness and career options. Their support extends to provide moral support for both personal and academic issues..

This system provides an excellent chance for a strong rapport to develop between proctor and student.

The Practice

Each Class has one senior proctor as Class In charge, who provides induction guidance, support and resources to the faculty in the Class including, where appropriate, schedules, suggested agendas and checklists to maximize consistency in the student experience of personal tutoring in a Class. Senior Faculty coordinates and shares practice with colleagues in similar roles and provides updates, suggestions, as well as additional sources of support and guidance to other faculty members in the management of more complex cases such as those involving disciplinary and fitness to study procedures.

Evidence of Success:

Whenever a student's personal or other circumstances are impacting on their academic progress they will inform their proctor, and discuss ways to resolve such circumstances.

Best Practices – II

Title of the Practice: Improving Teaching and Learning Process

Objective

To achieve the principles of the teaching / learning process which are multi-fold. The principles on the basis of which this best practice was decided was –to raise the curiosity of a student in a particular topic, to encourage the students to question the obvious and to increase the interaction in the class.

Context

Rapid advancement in technology is one of the major issues that affect the teaching/learning process. The facilitators find it difficult to keep pace with the techno-savvy learners. Further there is rapid change taking place in technology which aggravates the problem. Keeping the audience captivated throughout the lecture is another challenge. The facilitator is required to use a variety of tools to keep the learner engaged in the learning process. Having access to a variety of tools all the time may not be possible. Today knowledge is just a click away to the learner; a challenge faced by facilitators is to keep pace with the latest news and happenings.

The teaching/learning process is given immense importance in the institute.

Practice

The teaching /learning process starts with designing of a lecture plan by the facilitator. The lecture plan is given in advance to the learners. The objectives of the lectures are defined to specify to the learner the learning outcomes. During the lecture, discussions and questioning is encouraged.

Evidence of success

The evidence of success is visible, qualitatively as well as quantitatively. The qualitative indicators are a more positive outlook towards life, improvement in etiquettes and desire to understand things rather than just learning. The quantitative indicators for learners who actively participate in co-curricular activities are that they show improvement in academic performance. Students who have graduated are doing extremely well in the corporate world. Some students have put their learning into application by starting their own businesses.

7.4 Contribution to environmental awareness / protection

Green Computing projects in progress

Green computing is the environmentally responsible and eco-friendly use of **computers** and their resources. In broader terms, it is also defined as the study of designing, manufacturing/engineering, using and disposing of **computing** devices in a way that reduces their environmental impact.

The College constantly seeks to promote the Care of Mother Earth initiative. One of the primary objectives of the institution is to sensitise students on environmental issues and to motivate them to promote ecological justice and sustainable development. The College, on a regular basis, makes a thorough environmental assessment of the campus and implements healthy ecological practices in water and energy conservation and waste management. Some of the eco initiatives of the campus include:

- Grey water recycling
- Solar powered lights
- Sensitising the public on environmental issues and reaching out to the community on working towards environmental protection

The Oxford College Of Engineering, Department Of Management Studies, conducted **Bio Concerns** Business Conclave in- association with the Bio-design Farm, Bengaluru and The Diplomatic Consular Corps of India.

7.5 Whether environmental audit was conducted?

Yes

No

7.6 Any other relevant information the institution wishes to add. (for example SWOT Analysis)

Employment opportunities for students have been enhanced by conducting Soft skill and technical training programmes.

Faculties are encouraged towards R&D activities and publishing research work; They are also encouraged to attend FDPs, workshops, national/international conferences and technical talks.

PG Students are carrying out their internships at reputed industries and organisations.

MoUs were signed with the Industries of various streams, thus improving the Quality of Education and improving the R&D activities

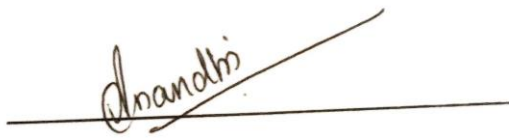
Faculties of various streams are benefitted by having the Centre of Excellence in acquiring various projects funded by IEEE USA, Indian Naval Board, VGST and various funding agencies.

8. **Plans of institution for next year**

✓ **Planned Activities to promote a Green Environment in the institute**

- Conserve Water
- Avoid Plastics
- Recycle-Reuse
- Segregating and disposal of daily garbage.

Name Dr R J Anandhi



Signature of the Coordinator, IQAC

Name Dr R V Praveena Gowda



Signature of the Chairperson, IQAC

ANNEXURE - A

Analysis of Student Feedback

1. Comprehensiveness of the course

Outstanding Excellent Good Satisfactory Not Satisfactory

Analysis:

Comprehensiveness of the course was rated "Excellent".

2. Availability of course material

Outstanding Excellent Good Satisfactory Not Satisfactory

Analysis:

Availability of course material was rated as "Excellent".

3. Teaching methodology

Outstanding Excellent Good Satisfactory Not Satisfactory

Analysis:

Teaching methodology adopted by faculty, was rated as "Excellent".

4. Adequate coverage of course material

Outstanding Excellent Good Satisfactory Not Satisfactory

Analysis:

Adequate coverage of course material was rated "Good".

5. Guest Lectures

Outstanding Excellent Good Satisfactory Not Satisfactory

Analysis:

Students rated Guest lecture as "Excellent".

6. Workshops/Seminars conducted

Outstanding Excellent Good Satisfactory Not Satisfactory

Analysis:

Workshops and seminars conducted as part of curriculum was rated as "Good".

7. Development of verbal and written communication

Outstanding Excellent Good Satisfactory Not Satisfactory

Analysis:

Development of verbal and written communication was rated as "Excellent".

8. Practical Knowledge Provided

Outstanding Excellent Good Satisfactory Not Satisfactory

Analysis:

Practical knowledge provided in the curriculum was rated as "Good".

9. Helps in enhancing skills

Outstanding Excellent Good Satisfactory Not Satisfactory

Analysis:

Enhancing skills was rated as "Good".

Analysis of Alumni Feedback

1. Comprehensiveness of the course

Outstanding Excellent Good Satisfactory Not Satisfactory

Analysis:

Comprehensiveness of the course was rated as "Outstanding".

2. Availability of course material

Outstanding Excellent Good Satisfactory Not Satisfactory

Analysis:

Availability of course material as rated as "Excellent" .

3. Teaching methodology

Outstanding Excellent Good Satisfactory Not Satisfactory

Analysis:

Teaching methodology adopted by faculty was rated as "Outstanding".

4. Adequate coverage by course material

Outstanding Excellent Good Satisfactory Not Satisfactory

Analysis:

The coverage by course material was rated as "Excellent".

5. Guest Lectures

Outstanding Excellent Good Satisfactory Not Satisfactory

Analysis:

Guest lecture along with their curriculum was rated as "Excellent".

6. Workshops/Seminars conducted

Outstanding Excellent Good Satisfactory Not Satisfactory

Analysis:

Value added inputs through workshops and seminars was rated "Excellent".

7. Development of verbal and written communication

Outstanding Excellent Good Satisfactory Not Satisfactory

Analysis:

Communication skills development was rated as "Excellent".

8. Practical Knowledge Provided

Outstanding Excellent Good Satisfactory Not Satisfactory

Analysis:

Practical knowledge provided by the course was rated as "Outstanding".

9. Helps in enhancing skills

Outstanding Excellent Good Satisfactory Not Satisfactory

Analysis:

Enhancing their skills was rated as "Excellent".

Analysis of Faculty Feedback

1. Comprehensiveness of the course

Outstanding Excellent Good Satisfactory Not Satisfactory

Analysis:

Comprehensiveness of the course was rated as "Excellent".

2. Availability of course material

Outstanding Excellent Good Satisfactory Not Satisfactory

Analysis:

Availability of course material was rated as "Excellent"

3. Teaching methodology

Outstanding Excellent Good Satisfactory Not Satisfactory

Analysis:

Teaching methodology was rated as "Good".

4. Adequate coverage by course material

Outstanding Excellent Good Satisfactory Not Satisfactory

Analysis:

Adequate coverage by course material was rated as "Excellent".

5. Guest Lectures

Outstanding Excellent Good Satisfactory Not Satisfactory

Analysis:

Guest lecture along with curriculum was rated it as "Good".

6. Workshops/Seminars conducted

Outstanding Excellent Good Satisfactory Not Satisfactory

Analysis:

Value added inputs through workshops and seminars was rated "Excellent".

7. Development of verbal and written communication

Outstanding Excellent Good Satisfactory Not Satisfactory

Analysis:

Communication skills development was rated as "Excellent".

8. Practical Knowledge Provided

Outstanding Excellent Good Satisfactory Not Satisfactory

Analysis:

Practical knowledge provided by the course was rated as "Excellent".

9. Helps in enhancing skills

Outstanding Excellent Good Satisfactory Not Satisfactory

Analysis:

Enhancing skills was rated as "Excellent".