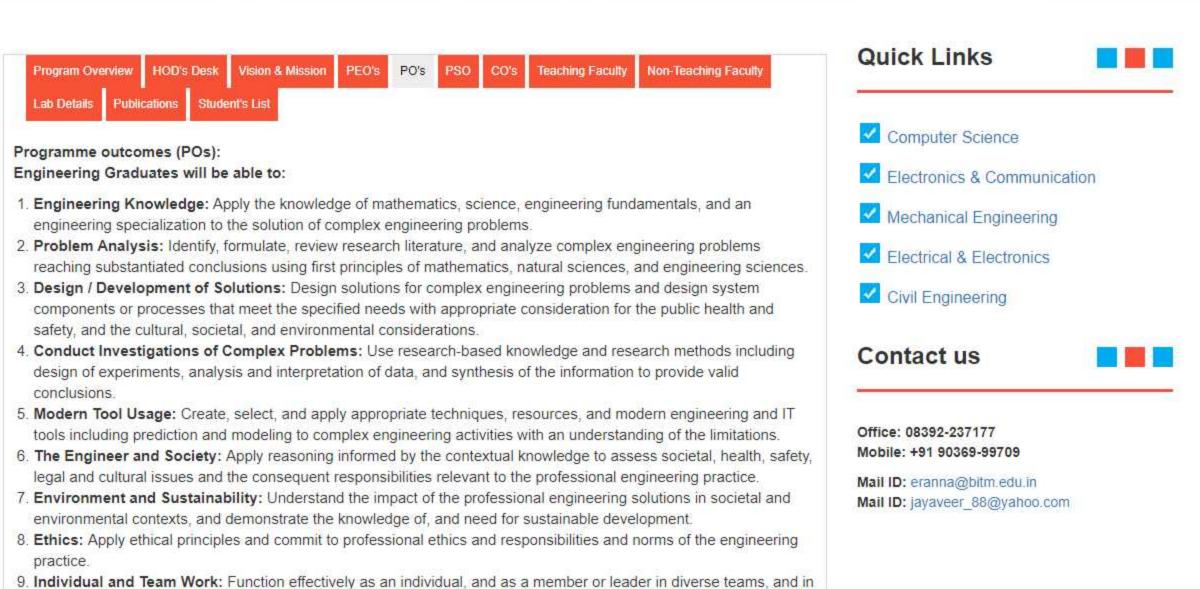


HOME ABOUTUS PROGRAMS ADMISSIONS FACILITIES PLACEMENT CAMPUSLIFE RULES & REGULATIONS MANDATORY DISCLOSURES CONTACT US







Ranked #15

and in multidisciplinary environments.

multidisciplinary settings.

Ranked as 15th Best Engineering College in Karnataka by Edu-Rand Magazine Engineering College Raknking 2015

effective presentations, and give and receive clear instructions.

long learning in the broadest context of technological change.



10. Communication: Communicate effectively on complex engineering activities with the engineering community and

11. Project Management and Finance: Demonstrate knowledge and understanding of the engineering and

with society at large, such as, being able to comprehend and write effective reports and design documentation, make

management principles and apply these to one's own work, as a member and leader in a team, to manage projects

12. Life-long Learning: Recognize the need for, and have the preparation and ability to engage in independent and life-









Ranked 6th in Top 10 Private Colleges in

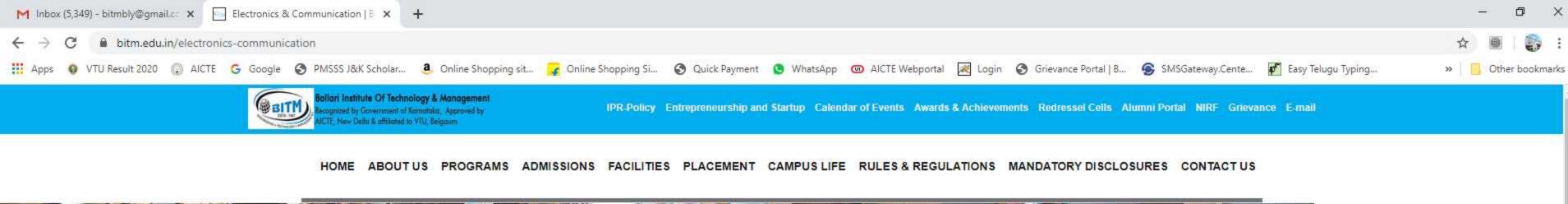
Karnataka (https://pickacollege.digit.in/)















PSO1: To understand the principles, processes, techniques and design aspects of electronic devices, circuits and communication systems.

PSO2: To apply, analyze and design electronic circuits, communication systems, embedded systems by using higher engineering mathematical foundations, computational principles and network modeling skills.

PSO3: To develop electronic hardware and software systems for universal requirements using sensors, embedded controllers, signal processors, analog and digitally integrated chips.

Quick Links







✓ Mechanical Engineering

✓ Electrical & Electronics

✓ Civil Engineering

Contact us



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Mail ID: eranna@bitm.edu.in Mail ID: jayaveer_88@yahoo.com

























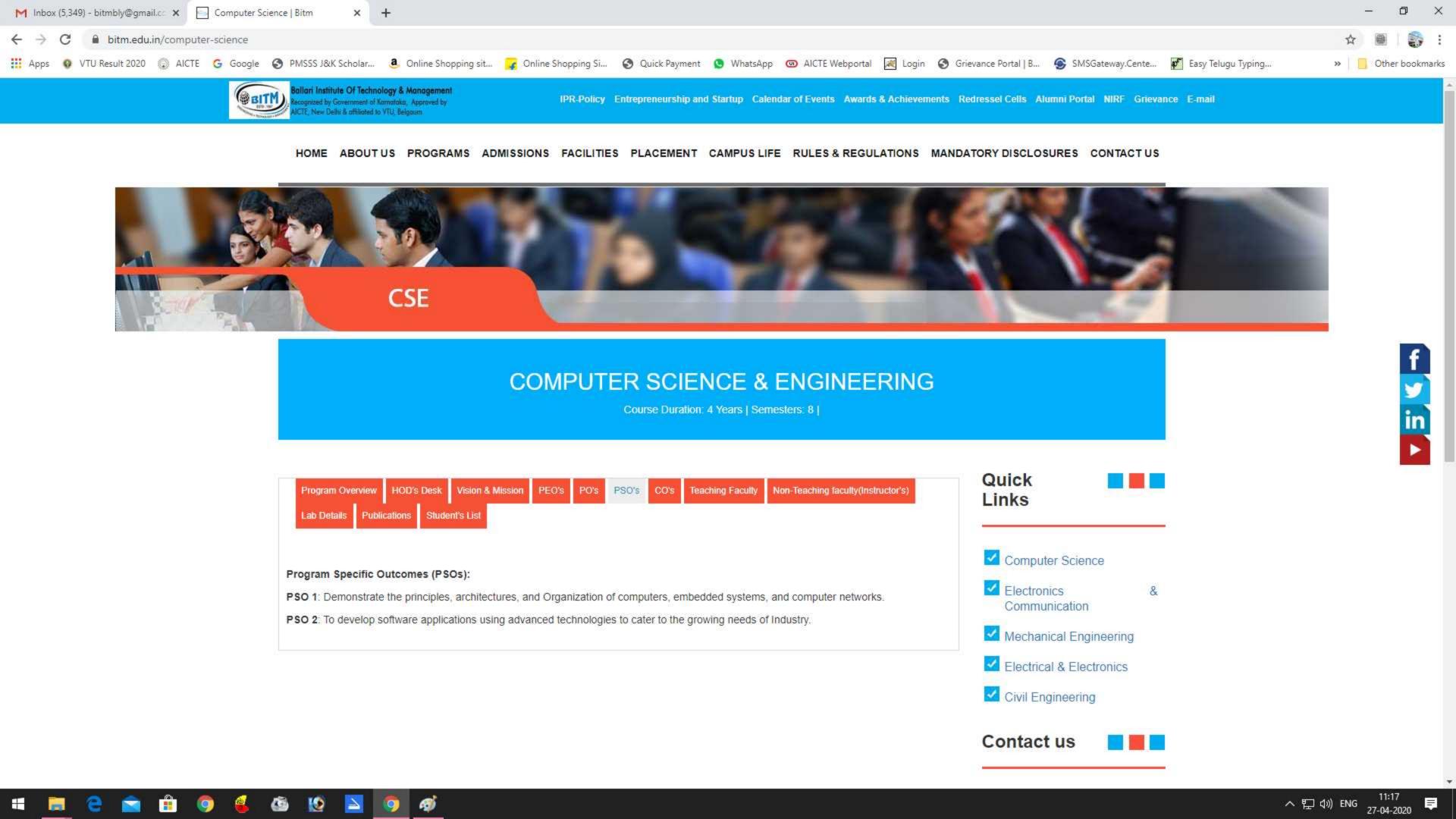


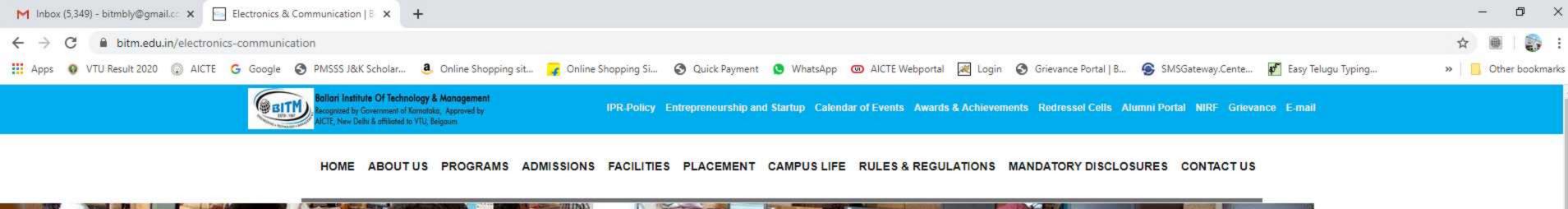




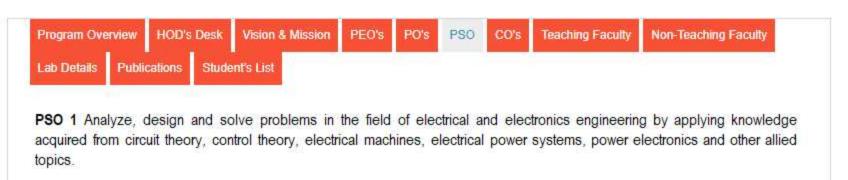


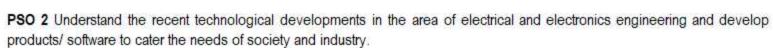












Quick Links



- ✓ Computer Science
- Electronics & Communication
- ✓ Mechanical Engineering
- ✓ Electrical & Electronics
- ✓ Civil Engineering

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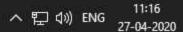


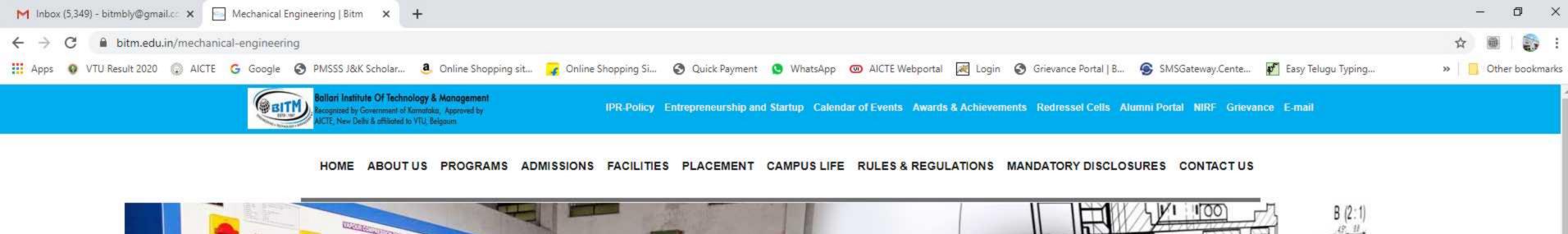










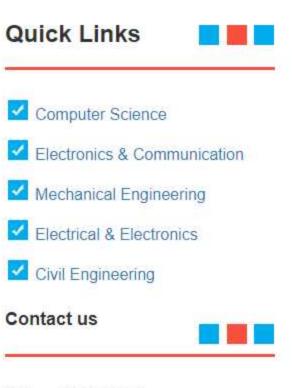


Mechanical

MECHANICAL ENGINEERING

Course Duration: 4 Years | Semesters: 8 |





Office: 08392-237176 Mobile: +91 94487-55268

















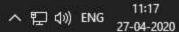


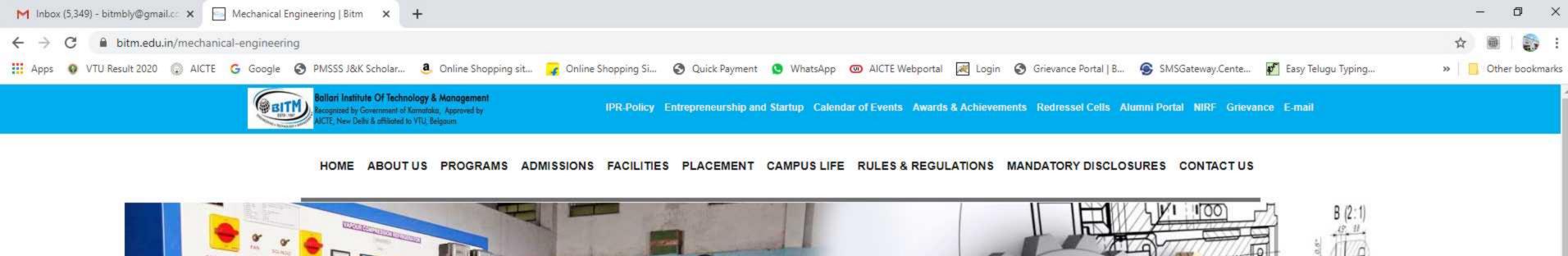












Civil

CIVIL ENGINEERING

Course Duration: 4 Years | Semesters: 8 |



Quick Links



- ✓ Computer Science
- ✓ Electronics & Communication
- Mechanical Engineering
- Electrical & Electronics
- Civil Engineering

Contact us



Office: 08392-237176 Mobile: +91 94487-55268

















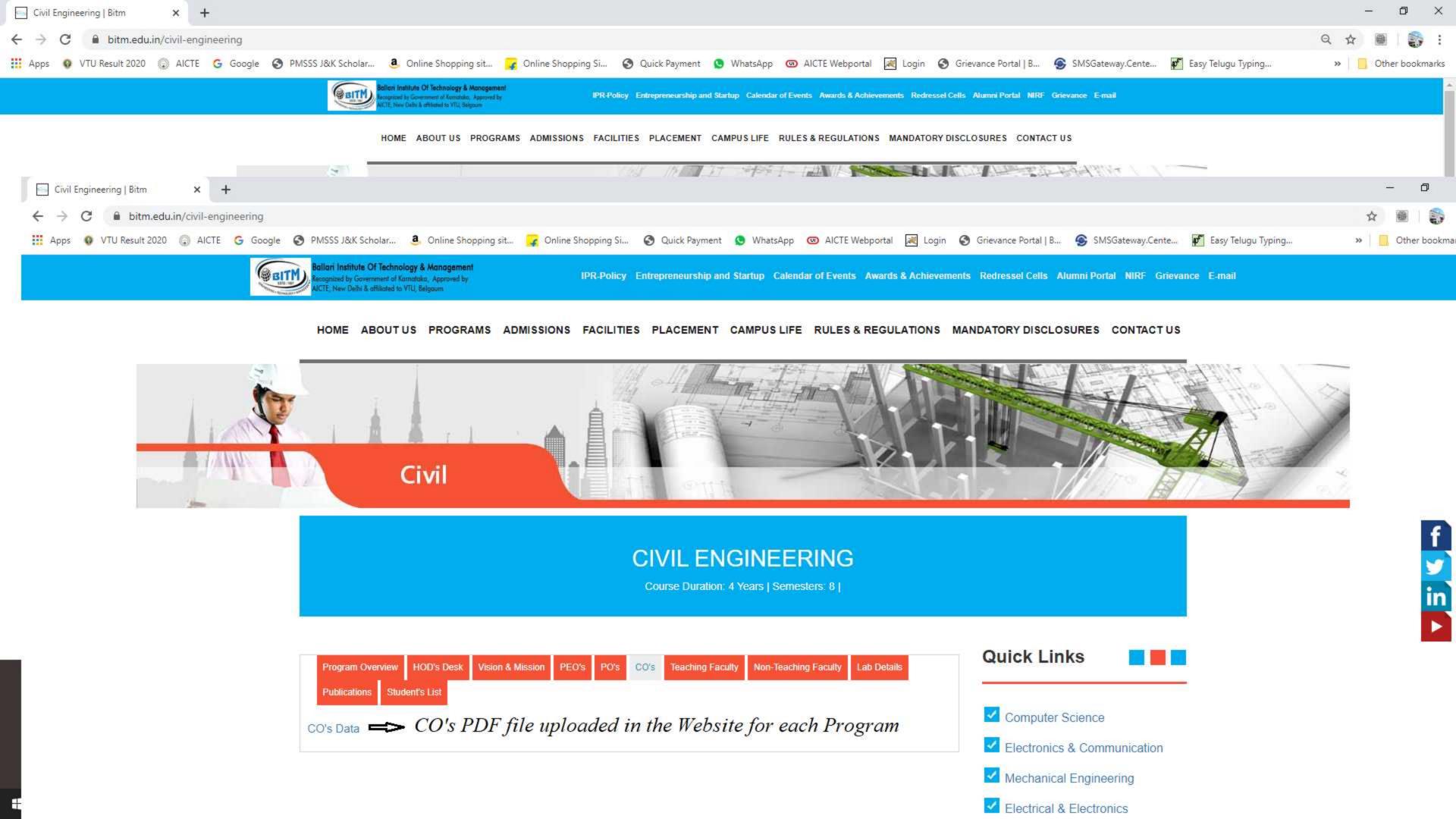


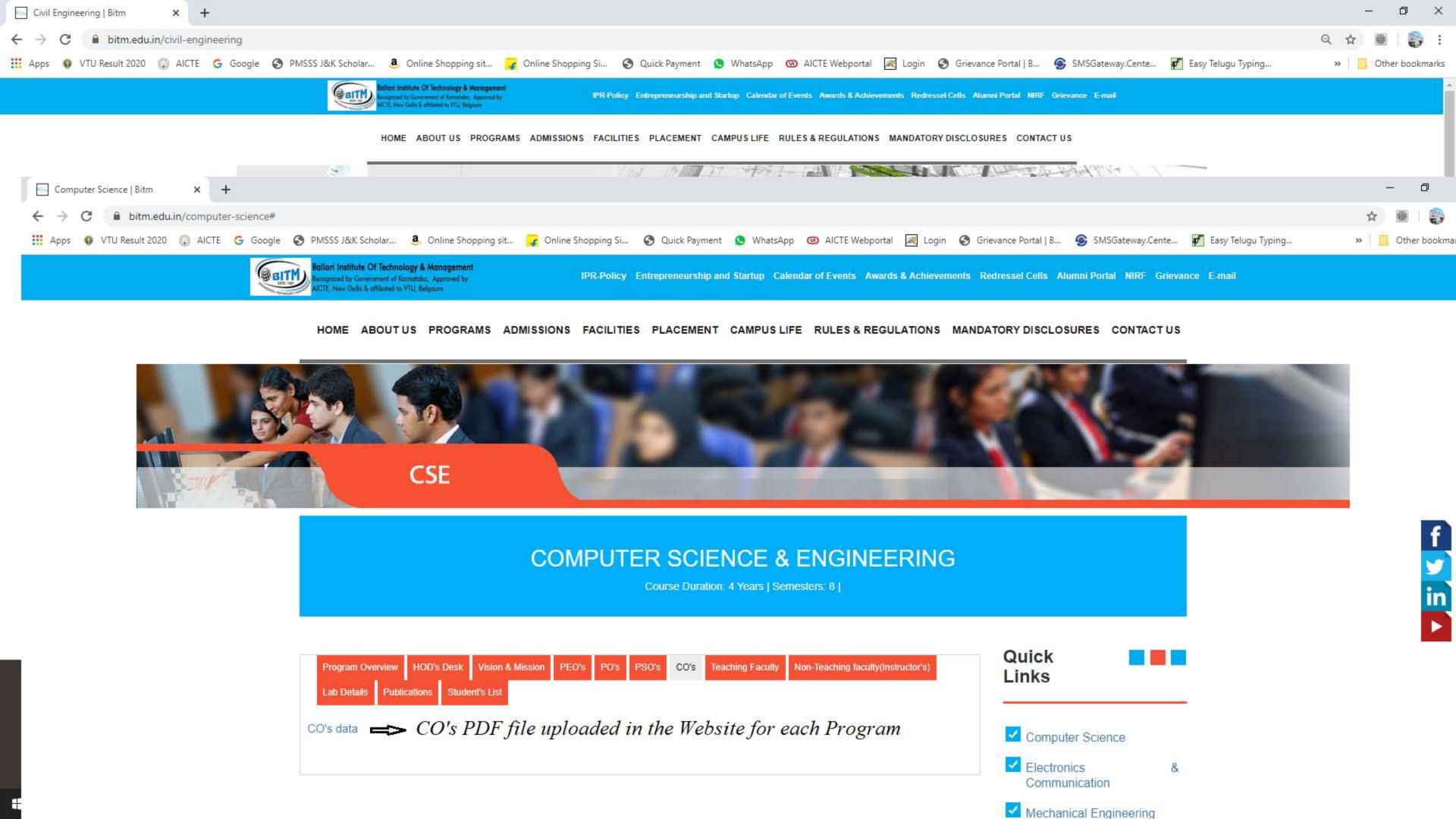


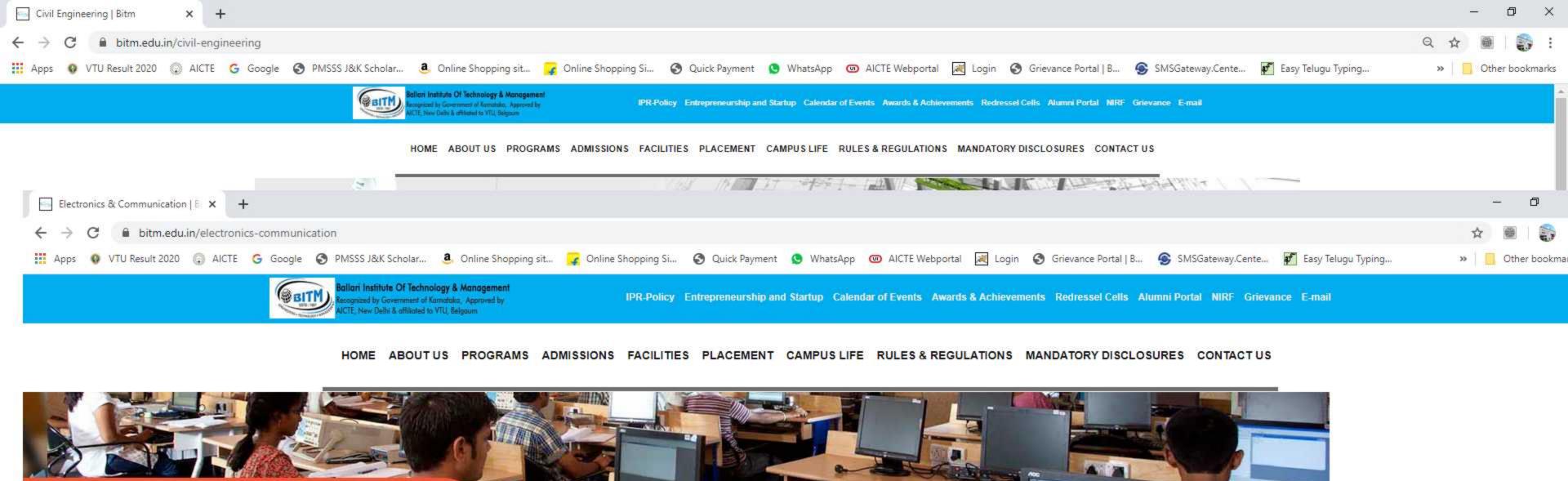






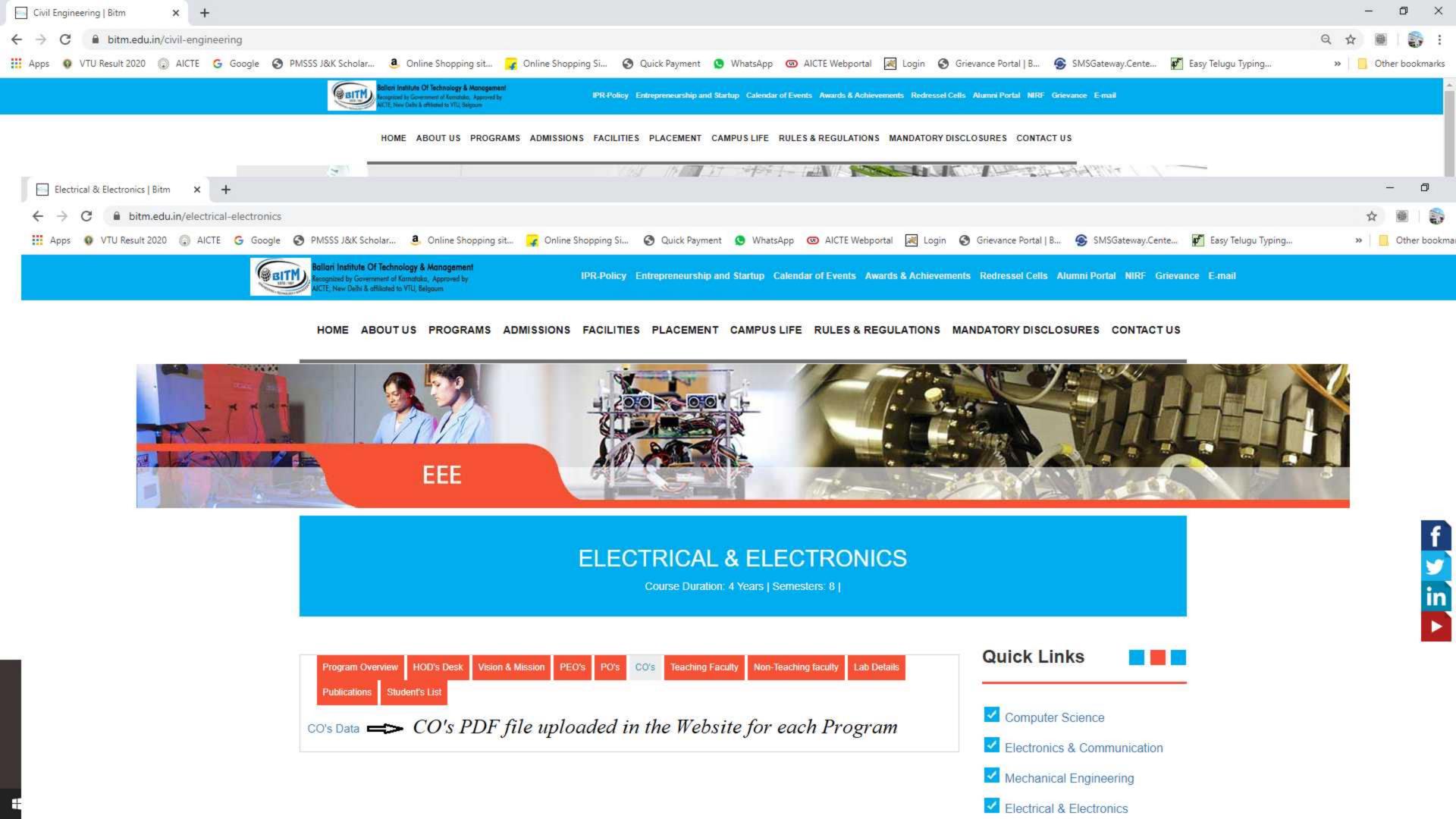


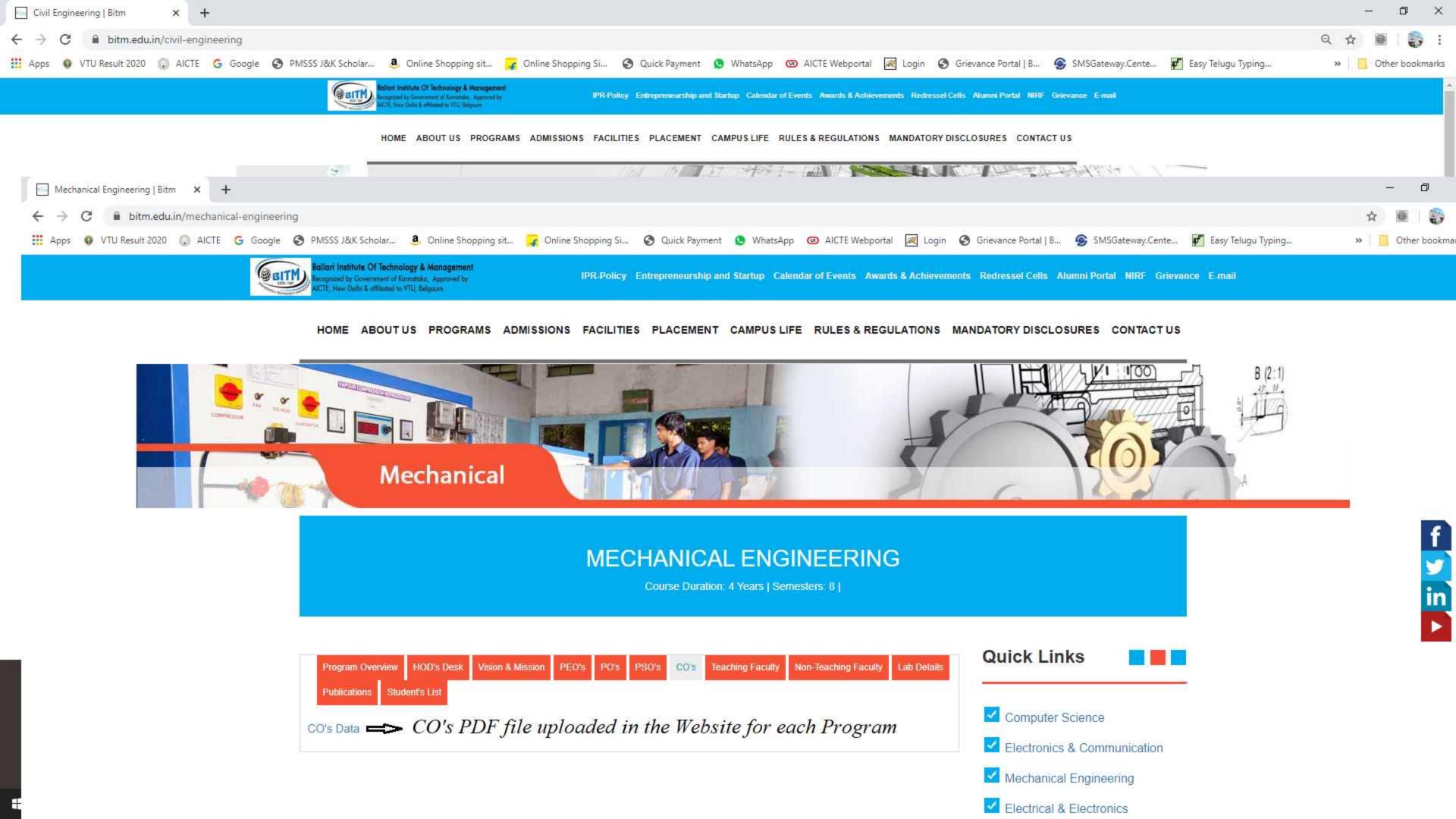


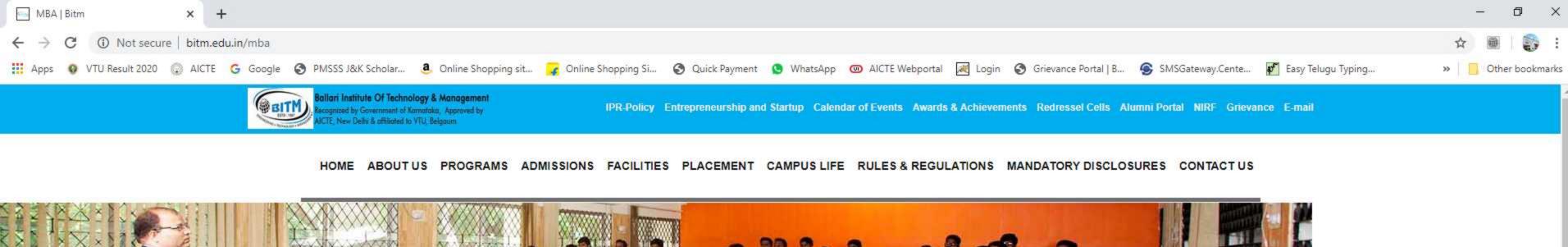








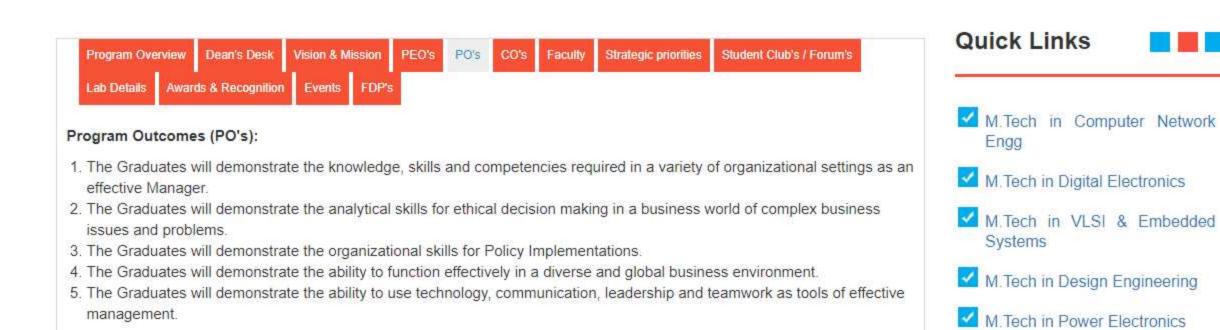


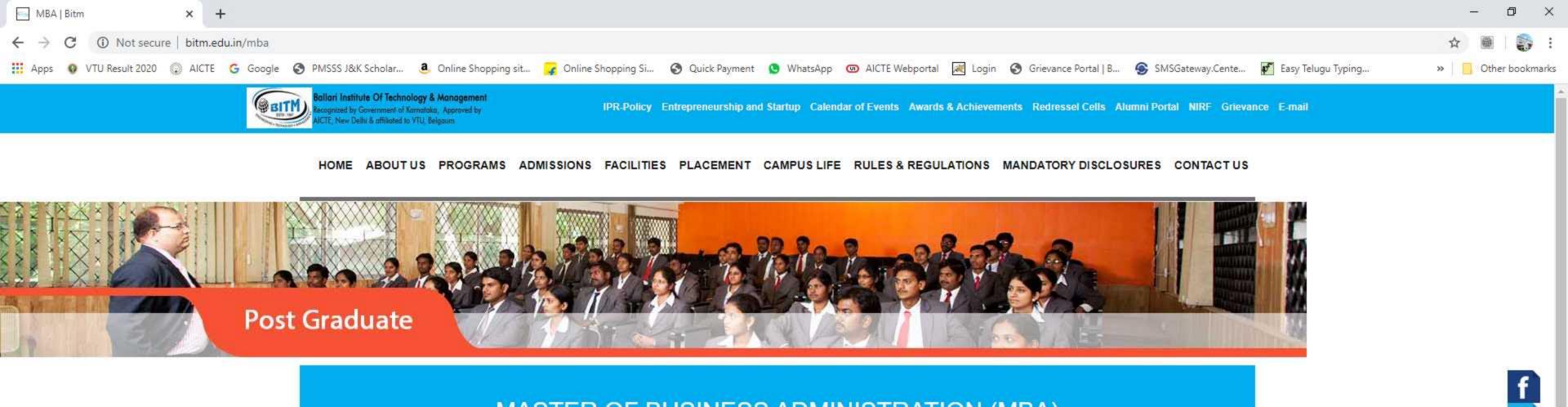


Post Graduate Post Graduate

MASTER OF BUSINESS ADMINISTRATION (MBA)

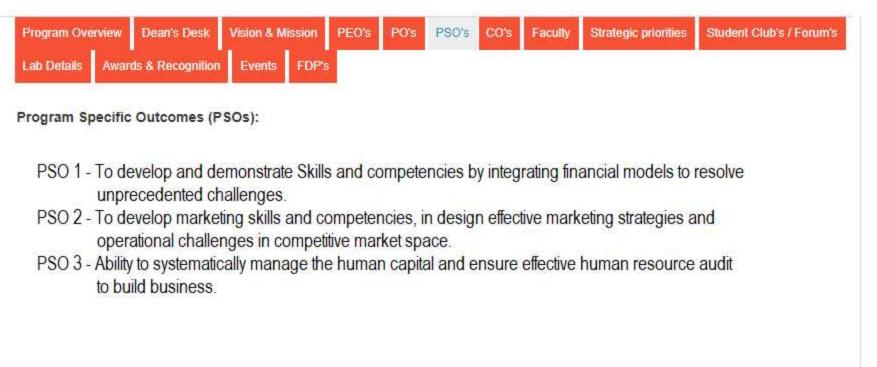
Course Duration: 2 Years | Semesters: 4 |



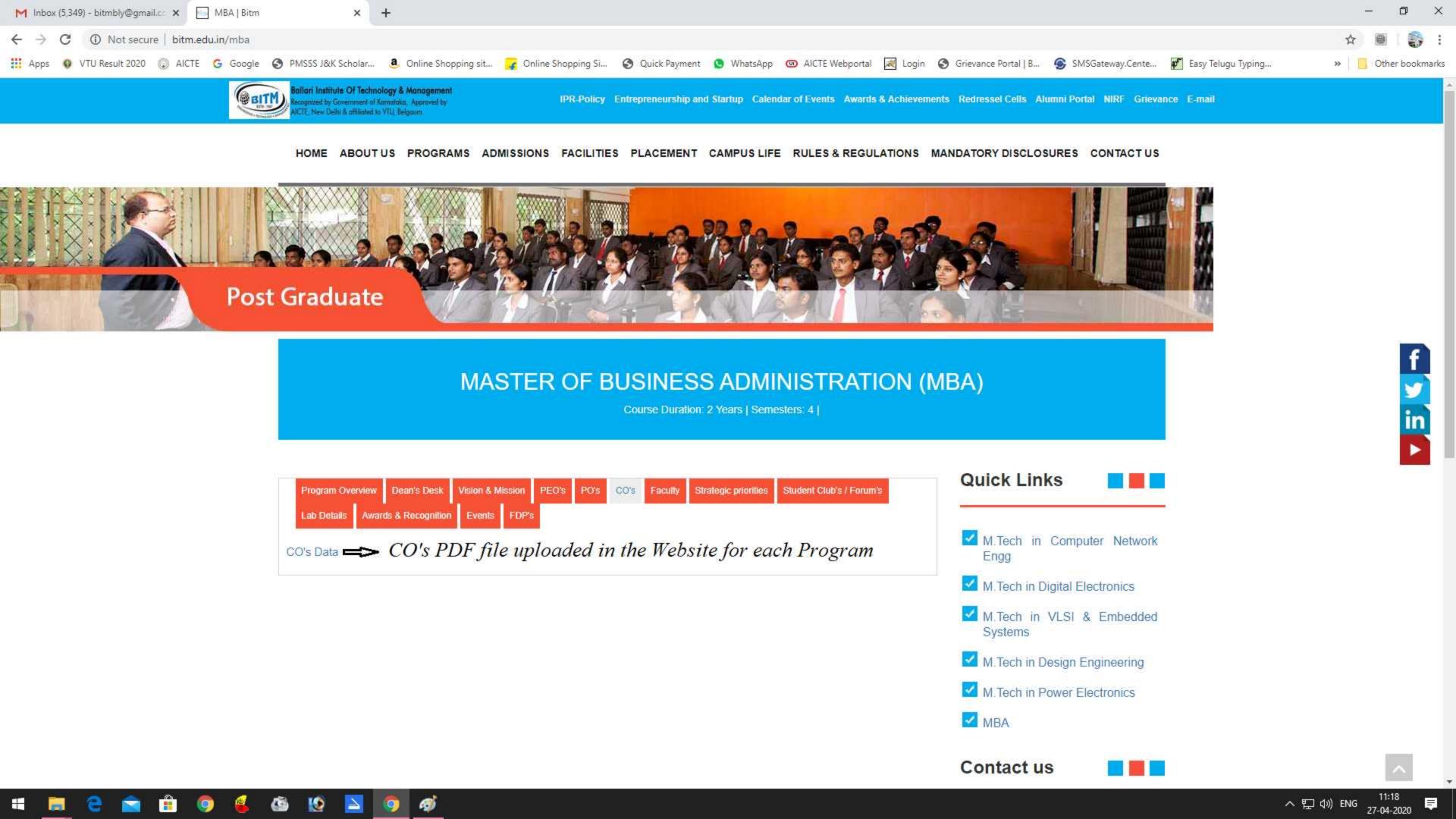


MASTER OF BUSINESS ADMINISTRATION (MBA)

Course Duration: 2 Years | Semesters: 4 |









BALLARI INSTITUTE OF T

Basavarajeswari Grand of Institutions OLOGY & MANAGEMENT



(An ISO 9001: 2015 Certified Institution)

Department of Physics

PROGRAM OUTCOMES

PO Number	PROGRAM OUTCOME DESCRIPTION		
PO 1	ENGINEERING KNOWLEDGE	APPLY THE KNOWLEDGE OF MATHEMATICS, SCIENCE, ENGINEERING FUNDAMENTALS,. AND AN ENGINEERING SPECIALIZATION TO THE SOLUTION OF COMPLEX ENGINEERING PROBLEMS	
PO 2	PROBLEM ANALYSIS	IDENTIFY, FORMULATE, REVIEW RESEARCH LITERATURE, AND ANALYZE COMPLEX ENGINEERING PROBLEMS REACHING SUBSTANTIATED CONCLUSIONS USING FIRST PRINCIPLES OF MATHEMATICS, NATURAL SCIENCES, AND ENGINEERING SCIENCES.	
PO 3	DESIGN/ DEVELOPMENT OF SOLUTIONS	DESIGN SOLUTIONS FOR COMPLEX ENGINEERING PROBLEMS AND DESIGN SYSTEM COMPONENTS OR PROCESSES THAT MEET THE SPECIFIED NEEDS WITH APPROPRIATE CONSIDERATION FOR THE PUBLIC HEALTH AND SAFETY, AND THE CULTURAL, SOCIETAL, AND ENVIRONMENTAL CONSIDERATIONS.	
PO 4	CONDUCT INVESTIGATIONS OF COMPLEX PROBLEMS	USE RESEARCH-BASED KNOWLEDGE AND RESEARCH METHODS INCLUDING DESIGN OF EXPERIMENTS, ANALYSIS AND INTERPRETATION OF DATA, AND SYNTHESIS OF THE INFORMATION TO PROVIDE VALID CONCLUSIONS.	
PO 5	MODERN TOOL USAGE	CREATE, SELECT, AND APPLY APPROPRIATE TECHNIQUES, RESOURCES, AND MODERN ENGINEERING AND IT TOOLS INCLUDING PREDICTION AND MODELING TO COMPLEX ENGINEERING ACTIVITIES WITH AN UNDERSTANDING OF THE LIMITATIONS.	
PO 6	THE ENGINEER AND SOCIETY	APPLY REASONING INFORMED BY THE CONTEXTUAL KNOWLEDGE TO ASSESS SOCIETAL, HEALTH, SAFETY, LEGAL AND CULTURAL ISSUES AND THE CONSEQUENT RESPONSIBILITIES RELEVANT TO THE PROFESSIONAL ENGINEERING PRACTICE.	
PO 7	ENVIRONMENT AND SUSTAINABILITY	UNDERSTAND THE IMPACT OF THE PROFESSIONAL ENGINEERING SOLUTIONS IN SOCIETAL AND ENVIRONMENTAL CONTEXTS, AND DEMONSTRATE THE KNOWLEDGE OF, AND NEED FOR SUSTAINABLE DEVELOPMENT.	
PO 8	ETHICS	APPLY ETHICAL PRINCIPLES AND COMMIT TO PROFESSIONAL ETHICS AND RESPONSIBILITIES AND NORMS OF THE ENGINEERING PRACTICE.	
PO 9	INDIVIDUAL AND TEAM WORK	FUNCTION EFFECTIVELY AS AN INDIVIDUAL, AND AS A MEMBER OR LEADER IN DIVERSE TEAMS, AND IN MULTIDISCIPLINARY SETTINGS.	
PO 10	COMMUNICATION	COMMUNICATE EFFECTIVELY ON COMPLEX ENGINEERING ACTIVITIES WITH THE ENGINEERING COMMUNITY AND WITH SOCIETY AT LARGE, SUCH AS, BEING ABLE TO COMPREHEND AND WRITE EFFECTIVE REPORTS AND DESIGN DOCUMENTATION, MAKE EFFECTIVE PRESENTATIONS, AND GIVE AND RECEIVE CLEAR INSTRUCTIONS.	
PO 11	PROJECT MANAGEMENT AND FINANCE	DEMONSTRATE KNOWLEDGE AND UNDERSTANDING OF THE ENGINEERING AND MANAGEMENT PRINCIPLES AND APPLY THESE TO ONE'S OWN WORK, AS A MEMBER AND LEADER IN A TEAM, TO MANAGE PROJECTS AND IN MULTIDISCIPLINARY ENVIRONMENTS.	
PO 12	LIFE-LONG LEARNING	RECOGNIZE THE NEED FOR, AND HAVE THE PREPARATION AND ABILITY TO ENGAGE IN INDEPENDENT AND LIFE-LONG LEARNING IN THE BROADEST CONTEXT OF TECHNOLOGICAL CHANGE.	



BALLARI INSTITUTE OF TECHNOLOGY & MANAGEMENT



(An ISO 9001:2015 Certified Institution)

Department of Mathematics

COURSE OUTCOMES

COURSE: ENGINEERING MATHEMATICS-III (17MAT31)

On completion of this course, students will be able to:

	On completion of the
CO301.1	Find Fourier series of Periodic functions.
CO301.2	using Z-Transform.
CO301.3	Apply statistical and numerical methods to fit the given data into appropriate curves and to solve algebraic, transcendental equations.
CO301.4	Apply various numerical techniques to interpolate, evaluate definite integrals.
CO301.5	Use Curl and Divergence in vector integration, to verify Green's, Stroke's, Divergence theorems and to evaluate Geodesics.

COURSE OUTCOMES

COURSE: ENGINEERING MATHEMATICS-IV
(17MAT41)

(17MAT41)
On completion of this course, students will be able to:

CO401.1	Apply various Numerical Methods to solve first order differential equations.
CO401.2	Employ Bessel's and Legendre's differential equations to find the series solution.
CO401.3	Apply the Cauchy-Riemann equations to find the analyticity of a function and determine poles and residues.
CO401.4	To solve probabilistic problems of repeated nature and find the probability of Joint probability distribution.
CO401.5	To test the samples and use the knowledge of Markov chains in attempting engineering problems for feasible random events.



Basavarajeswari Group of Institutions

BALLARI INSTITUTE OF TECHNOLOGY & MANAGEMENT



(An ISO 9001:2015 Certified Institution)

Department of Chemistry

ENGINEERING CHEMISTRY LAB [18CHEL16/26]

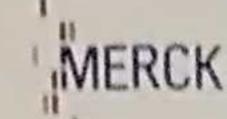
Course Outcomes

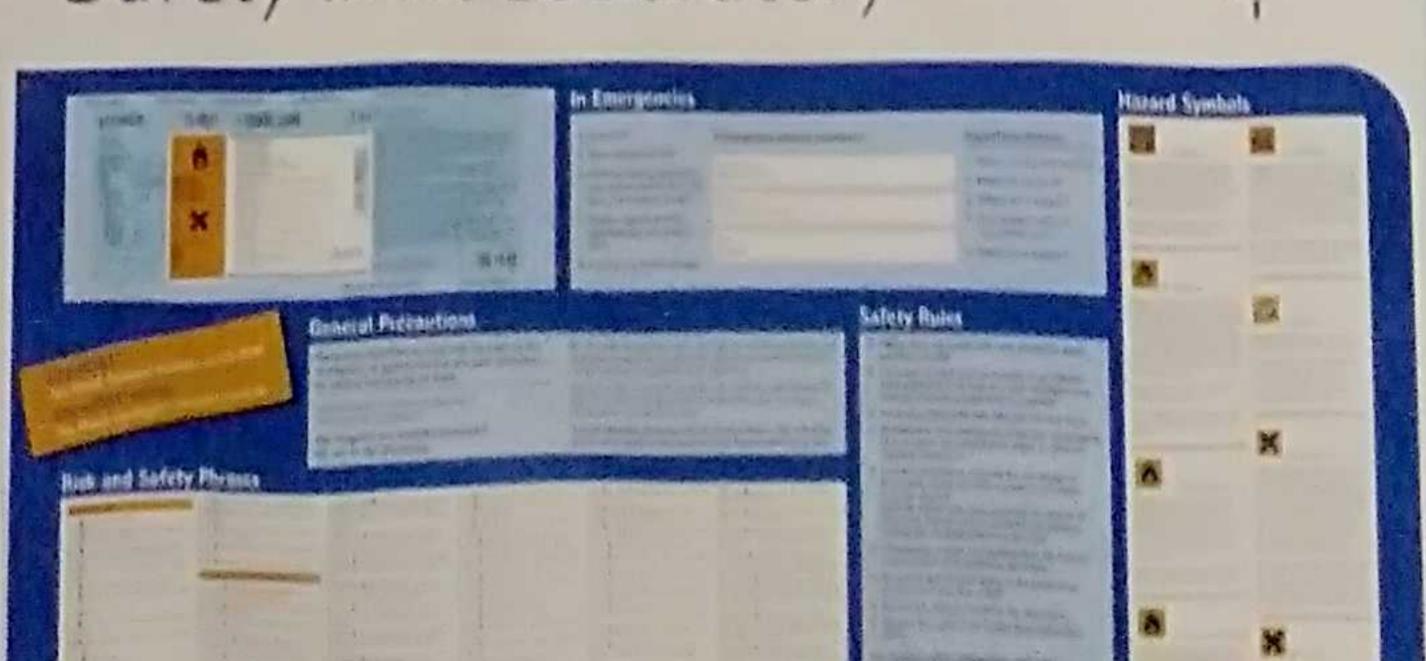
Upon completion of this course, students will be able to:

CO No.	DESCRIPTION
CO 1	DEMONSTARTE THE KNOWLEDGE OF BASICS OF LABORATORY SKILLS IN CHEMISTRY.
CO 2	IIDENTIFY METHODS OF ANALYSING MATERIALS, INSTRUMENTS TO SOLVE DOMESTIC, INDUSTRIAL AND ENGINEERING PROBLEMS.
со з	CONDUCT EXPERIMENTS, INTERPRETE THE DATA OF THE EXPERIMENT AND THE RESULTS OF EXPERIMENTS.
CO 4	APPLY INSTRUMENTS FOR DIFFERENT CHEMICAL AND ANALYTICAL APPLICATIONS.
CO 5	PREDICT QUALITY PARAMETERS FOR QUALITY CONTROL AND QUALITY ASSURANCE.



Safety in the Laboratory







Basawarajieswark Group of Institutions

BALLARI INSTITUTE OF TECHNOLOGY & MANAGEMENT



IAN ISO 1001: 1015 Certified Institutions Department of Chemistry

ENGINEERING CHEMISTRY [18CHE12/22]

Course Outcomes

Upon completion of this course, students will be able to:

CO	DESCRIPTION
No.	DESCRII I I OIT
CO 1	DEMONSTRATE THE USE OF FREE ENERGY IN EQUILLIBRIA, RATIONALIZE BULK PROPERTIES AND PROCESSES USING THERMODYNAMIC CONSIDERATIONS, ELECTROCHEMICAL ENERGY SYSTEMS.
CO 2	IDENTIFY THE CAUSES & EFFECTS OF CORROSION OF METALS AND CONTROL OF CORROSION MODIFY THE SURFACE PROPERTIES OF METALS TO DEVELOP RESISTANCE TO CORROSION, WEAR, TEAR, IMPACT ETC. BY ELECTROPLATING AND EECTROLESS PLATING.
CO 3	EXPLAIN PRODUCTION AND CONSUMPTION OF ENERGY FOR INDUSTRILISATION OF COUNTRY AND LIVING STANDARDS OF PEOPLE. CONSTRUCT ELECTROCHEMICAL AND CONCENTRATION CELLS, CLASSICAL, MODERN BATTERIES AND FUEL CELLS. UTILISE OF SOLAR ENERGY FOR DIFFERENT USEFUL FORMS OF ENERGY.
CO 4	UNDERSTAND ENVIRONMETAL POLLUTION AND APPLY WASTE MANAGEMENT AND WATER CHEMISTRY.
CO 5	APPLY DIFFERENT TECHNIQUES OF INSTRUMENTAL METHODS OF ANALYSIS. FUNDAMNETAL PRINCIPLES OF NANOMATERIALS.

is not what you see in sleep is the thing which doesn't let you sleep...



-Dr. A.P.J. Abdul Kalam

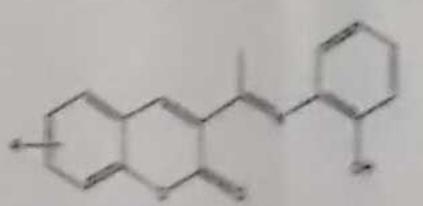
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Synthesis of Some Schiff Bases of Coumarines and Their Complex Formation in Aqueous-Alcohol Medium

Vindbyz ' R', Suresba Babu Hiremath' Uma Desal' and Suresb Department of Chemistry, Bullari Institute of Technology & Management, Bullari - 585 104, Kartsmika, India ² Rao Bhadur Y Mahabaloshwara Engineering College, Bullan - 585 104, Kamenska, India. *Corresponding Author: E-mail: descript Lincolns.com

Abstract: Schiff bases of acetyl coursaines with 2-aminophenol were symbolised and characterized by spectral and enalytical madies. The acid-base properties of these and their ability to form complexes with copper(17), Columnity and nicket(18) in squares-electric (50:50% V/V) medium were quantitatively determined. Potentioneenic measurements were carried out at constant ionic strengths allowed. us to define the said-base properties of Sahiff bases. The formation constants of complex species with copperfills. (Limitell) and nickel(II) was investigated potentiomentically in sedium per chicosts at IM at T = 25±1°C. The effects of subminution on instances and stability of the complexes have also been studied.

Experimental Methods, Results and Discussion:



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Basavarajeswari Group of Institutions

BALLARI INSTITUTE OF TECHNOLOGY & MANAGEMENT



(An ISO 9001: 2015 Certified Institution)

Department of Chemistry

PROGRAM OUTCOMES

Num	PI	ROGRAM OUTCOME DESCRIPTION
PO	ENGRAPPER	APPLY THE KNOWLEDGE OF MATHEMATICS, SCIENCE, ENCINEERING FUNDAMENTALS, AND AN ENGINEERING SPECIALIZATION TO THE SOLUTION OF COMPLEX ENGINEERING PROBLEMS
PO 2	PROBLEM ANALYSIS	COMPLEX ENGINEERING PROBLEMS REACHING SUBSTANTIATED CONCLUSIONS USING FIRST PRINCIPLES OF MATHEMATICS, NATURAL SCIENCES, AND ENGINEERING SCIENCES
PO 3	SOLUTIONS	DESIGN SOLUTIONS FOR COMPLEX ENGINEERING PROBLEMS AND DESIGN SYSTEM COMPONENTS OR PROCESSES THAT MEET THE SPECIFIED NEEDS WITH AMPROPRIATE AND ENVIRONMENTAL CONSIDERATIONS.
PO 4	INVESTIGATIONS OF COMPLEX PROBLEMS	USE RESEARCH-BASED KNOWLEDGE AND RESEARCH METHODS INCLUDING DESIGN OF EXPERIMENTS, ANALYSIS AND INTERPRETATION OF DATA, AND SYNTHESIS OF THE INFORMATION TO PROVIDE VALID CONCLUSIONS.
PO 5	MODERN TOOL USAGE	CREATE, SELECT, AND APPLY APPROPRIATE TECHNIQUES, RESOURCES, AND MODERN ENGINEERING AND IT TOOLS INCLUDING PREDICTION AND MODELING TO COMPLEX ENGINEERING ACTIVITIES WITH AN UNDERSTANDING OF THE LIMITATIONS.
PO 6	THE ENGINEER AND SOCIETY	APPLY REASONING INFORMED BY THE CONTEXTUAL KNOWLEDGE TO ASSESS SOCIETAL, HEALTH, SAFETY, LEGAL AND CULTURAL ISSUES AND THE CONSEQUENT RESPONSIBILITIES RELEVANT TO THE PROFESSIONAL ENGINEERING PRACTICE.
PO 7	ENVIRONMENT AND SUSTAINABILITY	UNDERSTAND THE IMPACT OF THE PROFESSIONAL ENGINEERING SOLUTIONS IN SOCIETAL AND ENVIRONMENTAL CONTEXTS, AND DEMONSTRATE THE KNOWLEDGE OF, AND NEED FOR SUSTAINABLE DEVELOPMENT.
PO 8	ETHICS	APPLY ETHICAL PRINCIPLES AND COMMIT TO PROFESSIONAL ETHICS AND RESPONSIBILITIES AND NORMS OF THE ENGINEERING PRACTICE.
PO 9	TEAM WORK	FUNCTION EFFECTIVELY AS AN INDIVIDUAL, AND AS A MEMBER OR LEADER IN DIVERSE TEAMS, AND IN MULTIDISCIPLINARY SETTINGS.
PO 16		COMMUNICATE EFFECTIVELY ON COMPLEX ENGINEERING ACTIVITIES WITH THE ENGINEERING COMMUNITY AND WITH SOCIETY AT LARGE, SUCH AS, BEING ARE TO COMPREHEND AND WRITE EFFECTIVE REPORTS AND DESIGN DOCUMENTATION, MAKE EFFECTIVE PRESENTATIONS, AND GIVE AND RECEIVE CLEAR INSTRUCTIONS.
011	PROJECT HANAGEMENT AND TOWNSON	DEMONSTRATE KNOWLEDGE AND UNDERSTANDING OF THE ENGINEERING AND MANAGEMENT PRINCIPLES AND APPLY THESE TO ONES OWN WORK, AS A MEMBER AND LEADER IN A TEAM, TO MANAGE PROJECTS AND IN MULTIDISCIPLINARY ENVIRONMENTS
0 12	LIFE-LONG LEARNING	RECOGNIZE THE NEED FOR, AND HAVE THE PREPARATION AND ABILITY TO ENGAGE IN INDEPENDENT AND LIFE-LONG LEARNING IN THE BROADEST CONTEXT OF TECHNOLOGICAL CHANGE.



BALLARI INSTITUTE OF TECHNOLOGY & MANAGEMENT

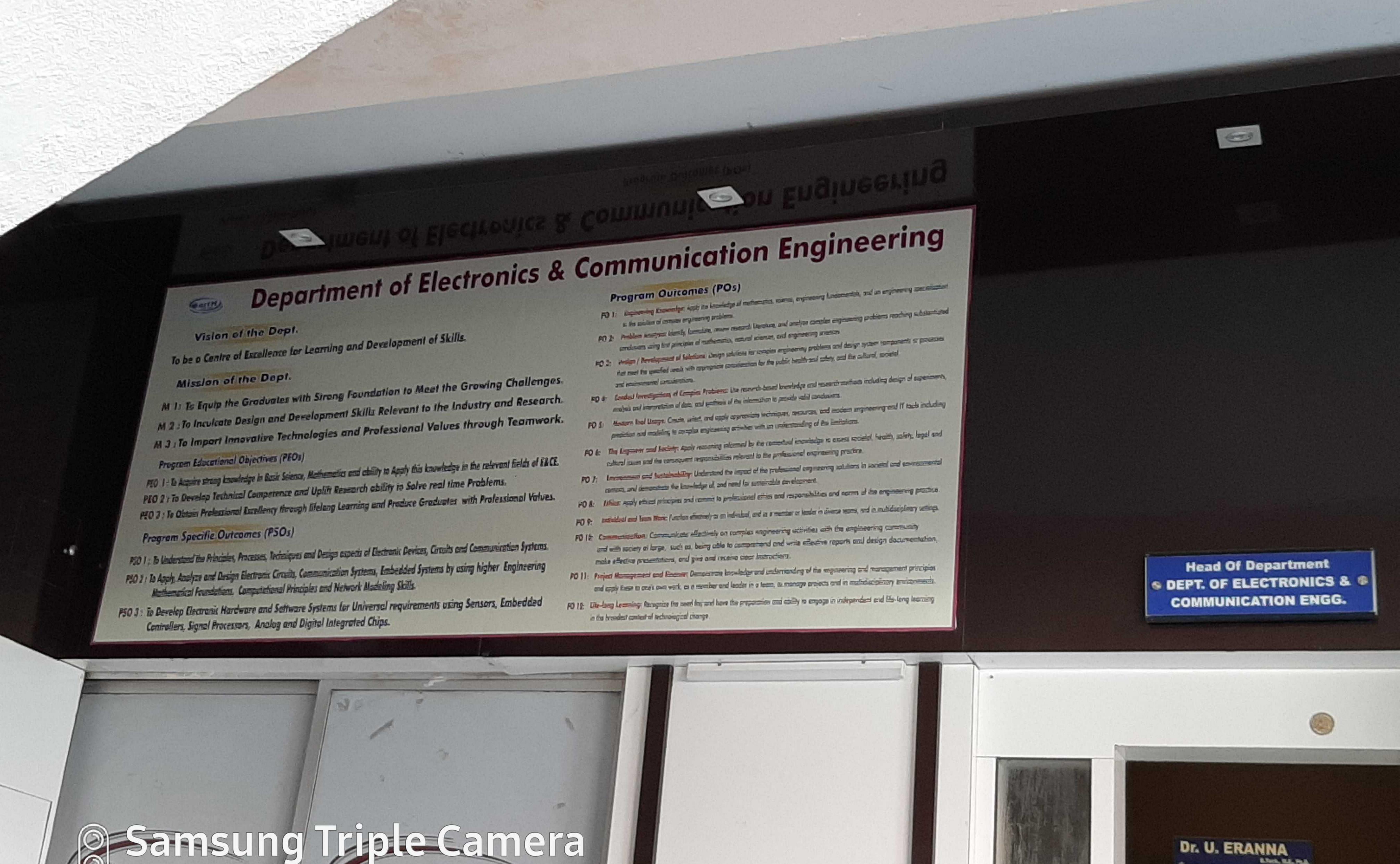


An ISO 9061, 2013 Certified Institution

Department of Chemistry

PROGRAM OUTCOMES

PO Number	PRO	PROGRAM OUTCOME DESCRIPTION
POI	THE RESERVE	ANTA THE ENCASSING CITAT CHARTCH, CERROL DICTUREDS FAHROSTICALS, AND AN ENCASTORS CITATION TO THE STATION OF CHART OR INCREMENTAL CHARTS
POZ	MORD4 Aleksia	PRETENT COME A TELEFON DE ANOMATON DE ANOMATON CONTRACTOR DE CONTRACTOR
PO E	DESCRIPTION OF SOCIETIONS	DISCN SOUT ON THE COMED IN CHIEFFICH WE HAVE UNLESS WITH A TROOPING TO THE ALLOS HAVE MEET THE STOPPING TO SHEET WITH A TROOPING TO THE ALLOS HEALTH AND CASET, AND SE CLITTING, SOCIETA, AND SECULTURAL SOCIETA, AND SECULTUR
PO4	COMPACT OF STREET	USE REPORCHANCE EXON EXCLAND WHAT WHILE AND THE DESCRIPTION OF EATH AND THE DESCRIPTIO
POS	MONARM TICE.	SEATE SEATE AND AREA APPOINTED TO CHICAGO, LISCASE AND REVEN BEGINNELS AND AREA IT TOOK DECLINES, SERVICES AND REVENUE CONTROL DECREES DECREES AND AREA OF THE LIBRARY AND ASSESSMENT AND ASSESSMENT AND ASSESSMENT AND ASSESSMENT AND ASSESSMENT ASSESSMENT AND ASSESSMENT ASSESSM
204	THE SHOWER AND SOCIETY	APPLY BEAUGINED IN-HIGHEL BY THE CONTEXTUAL ESSON, DICK TO ASSESS SOCIETY, HE HAVE IN AMERICAND CHECKED AND CHECK AND THE CONSEQUENT REPORTABLISHS RESERVED TO THE REPORT OF THE PROPERTY OF T
PO 7	PULLED AND CONTRACT AND CONTRAC	UNIDESTAND THE PERIOD OF THE PROFESSIONAL ENGINEERING NOW, THIS IN SIZE ESTA AND DANISONHER YAL CONTROLS, AND COMMUNICIPALLY THE MOOVING OF, AND WHED FORE LITTURES FOR COMMUNICIPALITY.
POS	ETRES	APPLY CHICAL PRINCIPLES AND IT WHILL TO RECPESSORAL ETHICS AND REPORTALISTS AND NORMAL THE FIG. MICHIGAN PRACTICE.
PO 9	INDI/INIAL AND	RENCT ON DISCRIPTIVAS AR INTERESTAL AND AS A HIPMER OR SEASO PRINTING.
90 10	core-unication	COMMUNICATE SPERCY VELT ON CONNEX ENGINEERS CACTIVITY AND THE ENCINEERING TO SYNDRITY AND VITY SOCIETY AT LARCE SUCH AS ARRING ALLE TO CONFERENCE ARE WRITE EFFECTIVE ARROWS ARE DESCRIBED AND ARRIVE AT LONG. MAKE SPECTIVE PRESENTATIONS, AND GIVE AND RECEIVE CLEAR INVENTIONS.
FO 11	DEMONSTRAT: KNEWLEDGE AND ENDERSTANDING OF THE DECINERING AT	DENORTRATI KNEWLEDCE AND LINERLYANDING OF "HE ELCHRENGE KNO MANAGERHAT MENERLES AND APPLY THESE TO ONES OVER VIOLA & A MERINA AN FRACEL IR A TEAP, TO MARAGE PROPERTY AND INPACT DEOCEMARY BEVIEWERS.
PO 12	LEE-CONG LEARNING	SECONDATIONS ON THE NEED FOR AND HAVE THE REPARATION AND AMAITY TO ENGAGE IN INSPERIOUS AND LITECONG LEADERN, IN THE MICAREST CONTEXT OF TECHNOLOGY CALL HANGE.







Department of Electronics & Communication Engineering

Program Educational Objectives (PEOs)

- PEO 1: To Acquire strong knowledge in Basic Science, Mathematics and ability to Apply this knowledge in the relevant fields of E&CE.
- PEO 2: To Develop Technical Competence and Uplift Research ability to Solve real time Problems.
- PEO 3: To Obtain Professional Excellency through lifelong Learning and Produce Graduates with Professional Values.

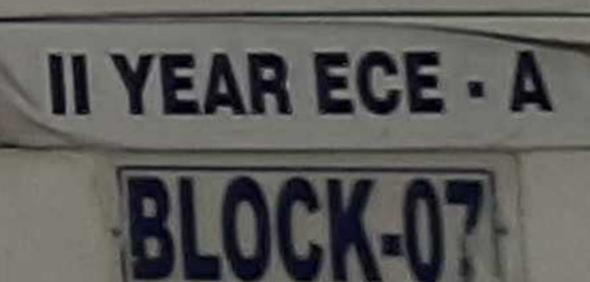
Program Specific Outcomes (PSOs)

- PSO 1: To Understand the Principles, Processes, Techniques and Design aspects of Electronic Devices, Circuits and Communication Systems.
- PSO 2: To Apply, Analyze and Design Electronic Circuits, Communication Systems, Embedded Systems by using higher Engineering Mathematical Foundations, Computational Principles and Network Modeling Skills.
- PSO 3: To Develop Electronic Hardware and Software Systems for Universal requirements using Sensors, Embedded Controllers, Signal Processors, Analog and Digital Integrated Chips.

Department of Electronics & Communication Engineering

Program Outcomes (POs)

- PO 1: Engineering Knowledge: Apply the knowledge of mathematics, science, angineering fundamentals, and an engineering specialization to the solution of complex engineering problems.
- PO 2: Problem Analysis: Identily, formulate, review research literature, and analysis complex engineering problems reaching substantiated conclusions using first principles of methemoties, natural sciences, and engineering sciences.
- PO 3: Design / Development of Solutions: Design valutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, secretal, and environmental considerations.
- PO 4: Conduct investigations of Complex Problems: Uso research-based Inculados and research enethods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide solid conclusions.
- PO 5: Modern Tool Usage: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.
- PO 6: The Engineer and Society: Apply reasoning informed by the contextual knowledge to assess societal, health, salety, legal and cultural saxes and the consequent responsibilities relevant to the professional engineering practice.
- PO 7: Environment and Sustainability: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for vestoirable development.
- PO & Ethics: Apply ethical principles and commit to professional ethics and responsibilities and name of the engineering practice.
- PO 9: Individual and Team World Function effectively as no individual, and as a member or lession in diversit feature, and in multidisciplinary satings.
- PO 10: Communication; Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.
- PO 111 Project Management and Finance: Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a learn, to manage projects and in multidisciplinary environments.
- PO 12: Life-long Learning: Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.





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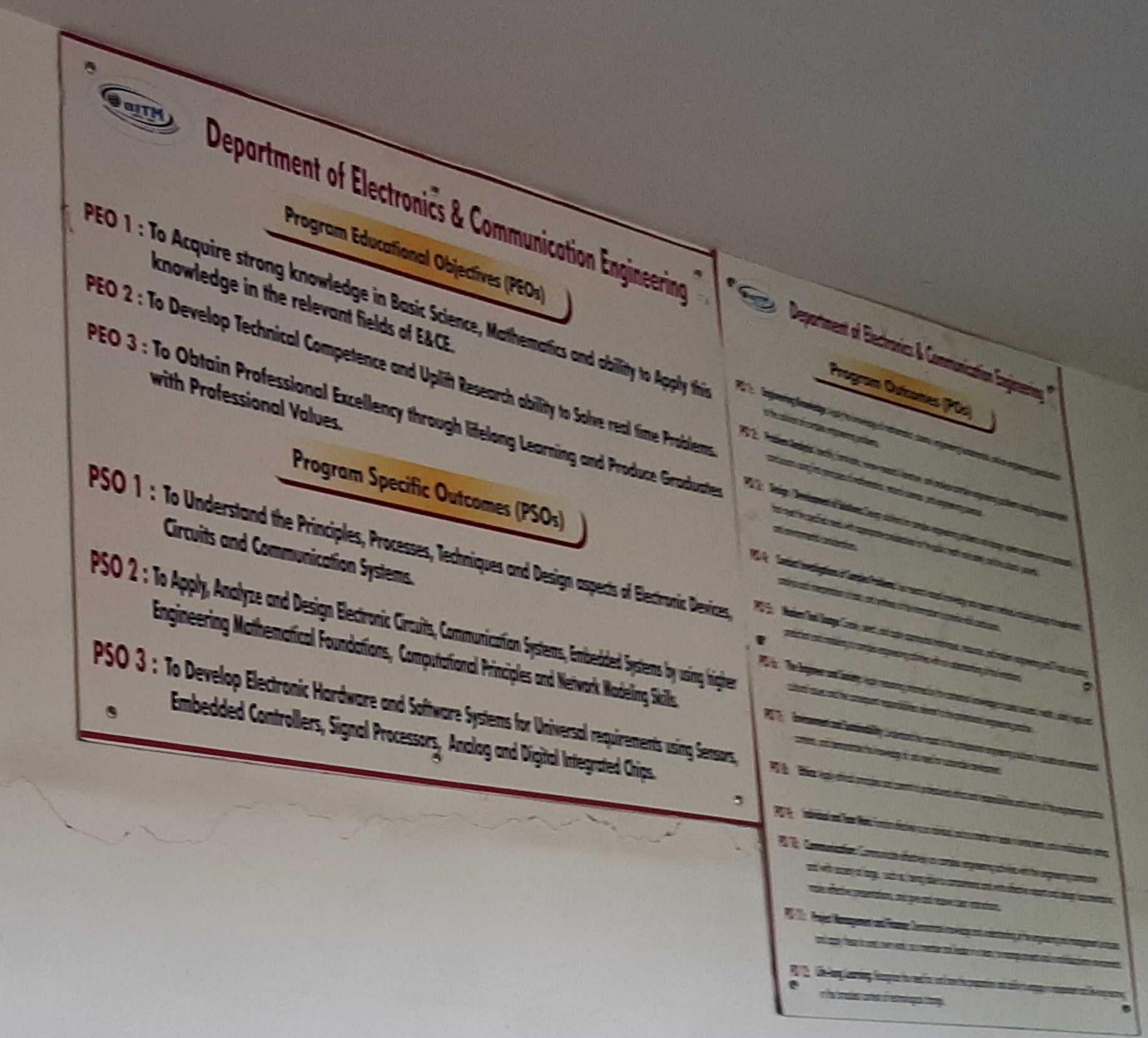
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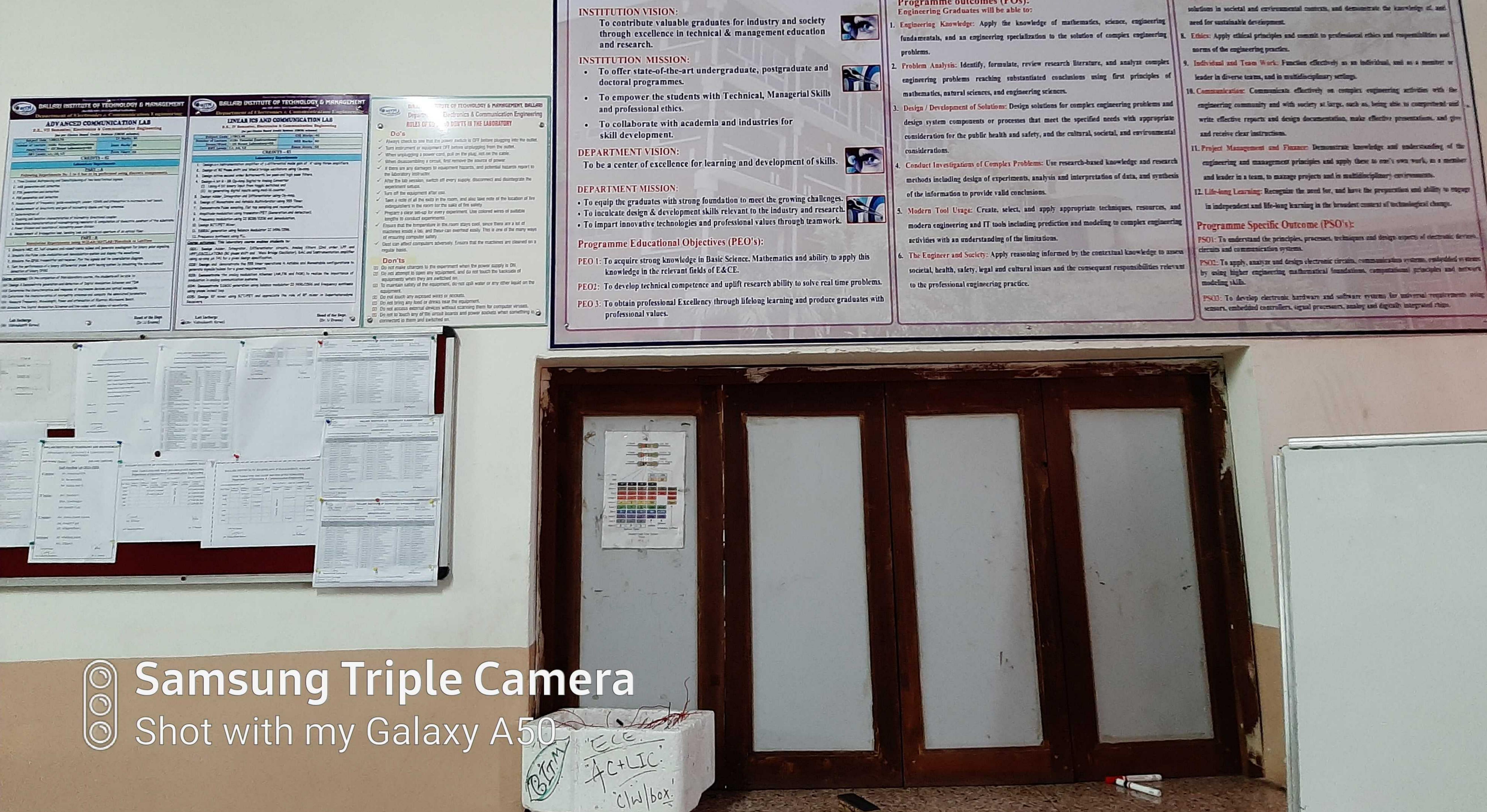
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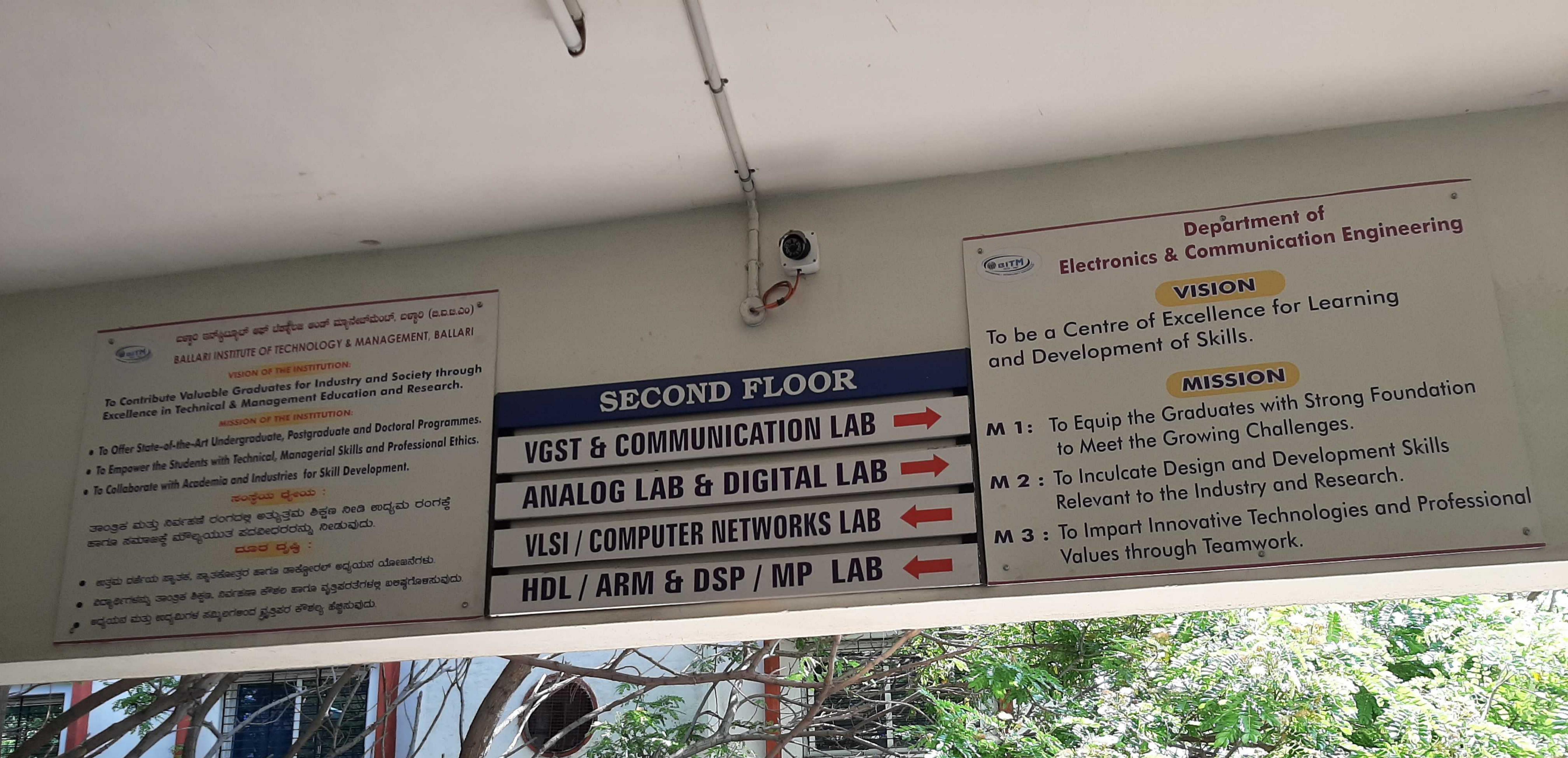
Basavarajeswari Group of Institutions

BALLARI INSTITUTE OF TECHNOLOGY & MANAGEMENT (An ISO 9001: 2015 Certified Institution) Department of Electronics & Communication Engineering

Programme outcomes (POs):

- 9. Individual and Team Work Function effectively as no individual and as a member of
- 10. Communication: Communicate effectively on complex exponenting artistics with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give
- IL Project Management and Flaurer Demonstrate Incoming and understanding of the engineering and management principles and apply these to one's sent work, in a member
- 12 Life-long Learning Recognize the president and have the proportion and plainty to the plainty
- PSOL: To understand the principles, processes, trainings and design outputs of comments.
- by only higher explanating mathematical foundations, computational principles and network
- sensors embedded committees tigsal processors smale; and digitals interpreted thim.











BALLARI INSTITUTE OF TECHNOLOGY & MANAGEMENT

Department of Chemistry

ENGINEERING CHEMISTRY LAB (18CHEL16/26)

Course Outcomes

Upon completion of this course, students will be able to:

CO No.	DESCRIPTION
CO 1	DEMONSTARTE THE KNOWLEDGE OF BASICS OF LABORATORY SKILLS IN CHEMISTRY.
CO 2	IDENTIFY METHODS OF ANALYSING MATERIALS, INSTRUMENTS TO SOLVE DOMESTIC, INDUSTRIAL AND ENGINEERING PROBLEMS:
CO 3	CONDUCT EXPERIMENTS, INTERPRETE THE DATA OF THE EXPERIMENT AND THE RESULTS OF EXPERIMENTS.
CO 4	APPLY INSTRUMENTS FOR DIFFERENT CHEMICAL AND ANALYTICAL APPLICATIONS.
CO 5	PREDICT QUALITY PARAMETERS FOR QUALITY CONTROL AND QUALITY ASSURANCE.



BALLARI INSTITUTE OF TECHNOLOGY & MANAGEMENT 🔄



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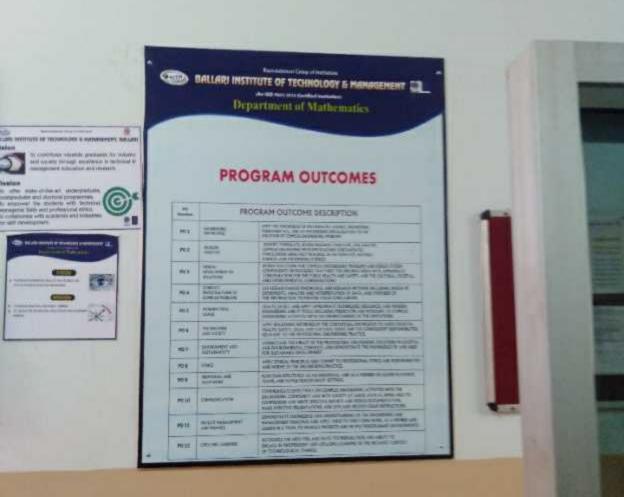
Department of Chemistry

ENGINEERING CHEMISTRY [18CHE12/22]

Course Outcomes

Upon completion of this course, students will be able to:

CO No.	DESCRIPTION
CO 1	DEMONSTRATE THE USE OF FREE ENERGY IN EQUIL LIBRIA. RATIONALIZE BULK PROPERTIES AND PROCESSES USING THERMODYNAMIC CONSIDERATIONS, ELECTROCHEMICAL ENERGY SYSTEMS.
CO 2	ELENTIFY THE CALSES & EFFECTS OF CORROSION OF METALS AND CONTROL OF CORROSION. MODIFY THE SURFACE PROPERTIES OF METALS TO DEVELOP RESISTANCE TO CORROSION, WEAR, TEAR, IMPACT ETC. BY ELECTROPLATING AND EECTROLESS PLATING.
CO 3	EXPLAIN PRODUCTION AND CONSUMPTION OF ENERGY FOR INDUSTRIESATION OF COUNTRY AND LIVING STANDARDS OF PEOPLE, CONSTRUCT ELECTROCHEMICAL AND CONCENTRATION CELLS, CLASSICAL, MODERN EATTERIES AND FUEL CELLS. UTILISE OF SOLAR ENERGY FOR DIFFERENT LISEFUL FORMS OF ENERGY.
€0 4	UNDERSTAND ENVIRONMETAL POLLUTION AND APPLY WASTE MANAGEMENT AND WATER CHEMISTRY.
CO 5	APPLY DIFFERENT TECHNIQUES OF INSTRUMENTAL METHODS OF ANALYSIS, FUNDAMNETAL PRINCIPLES OF NANOMATERIALS.

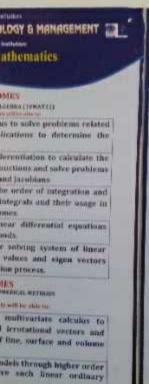


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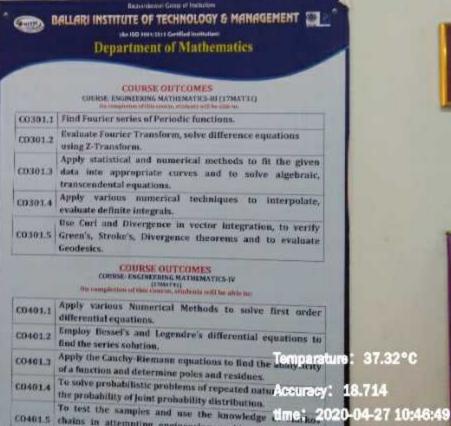
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BALLARI INSTITUT

Depart

COURSE: ENGIN CO301.1 Find Fourier seri

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COURSE D

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CO401.4 To solve probabili 17.908 the probability of To test the same Accuracy: 17.908 To test the same time: 2020-04-27 10:47:17**

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BALLARI INST

OF TECHNOLOGY & MANAGEMENT



n 150 9001:2015 Certified Institution)

Department of Physics

ENGINEERING PHYSICS

(18PHY12/22)

Course Outcomes

N COMPLETION OF THIS COURSE, STUDENTS WILL BE ABLE TO:

DESCRIPTION

UNDERSTAND VARIOUS TYPES OF OSCILLATIONS AND THEIR IMPLICATION, THE ROLE OF SHOCK WAVES IN VARIOUS FIELDS.

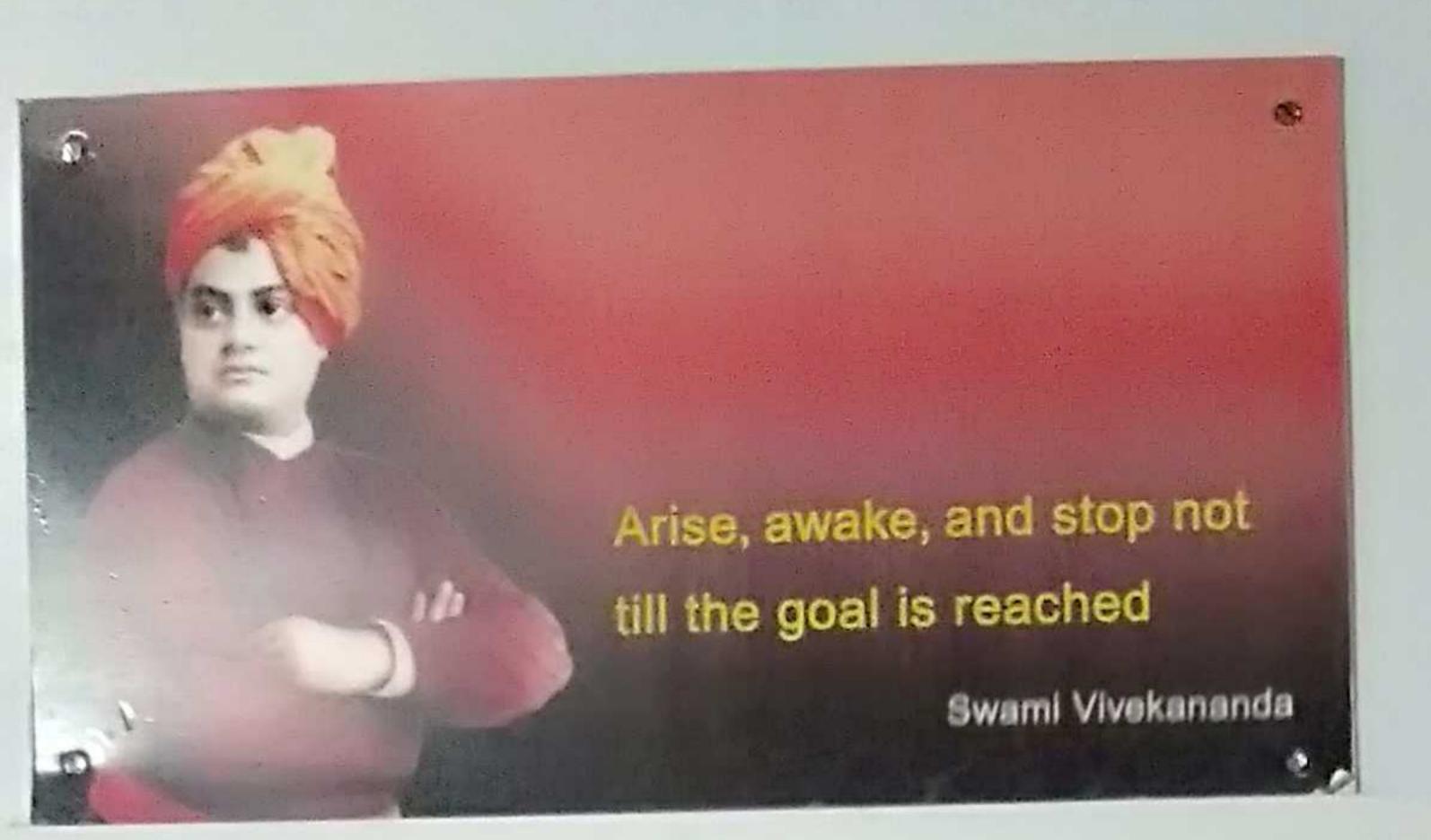
RECOGNIZE THE ELASTIC PROPERTIES OF MATERIALS FOR ENGINEERING APPLICATION.

REALIZE THE INTER RELATIONS BETWEEN TIME VARYING ELECTRIC FIELD AND MAGNETIC FIELD, THE TRANSVERSE NATURE OF ELECTROMAGNETIC WAVES AND THEIR ROLE IN OPTICAL FIBER COMMUNICATION.

COMPUTE EIGEN VALUES, EIGEN FUNCTIONS, MOMENTUM OF ATOMIC AND SUB ATOMIC PARTICLES USING TIME 1-D SCHR? DINGER'S WAVE EQUATION.

APPREHEND THEORETICAL BACKGROUND OF LASER, CONSTRUCTION AND WORKING OF DIFFERENT TYPES OF LASER AND ITS APPLICATION.

UNDERSTAND VARIOUS ELECTRICAL AND THERMAL PROPERTIES OF MATERIALS LIKE CONDUCTORS, SEMICONDUCTORS AND DIELECTRICS USING DIFFERENT THEORETICAL MODELS.





Basavarajeswari Group of Institutions

BALLARI INSTITUTE OF TECHNOLOGY & MANAGEMENT



(An ISO 9001:2015 Certified Institution)

Department of Physics

ENGINEERING PHYSICS LAB

(18PHYL16/26)

Course Outcomes

UPON COMPLETION OF THIS COURSE, STUDENTS WILL BE ABLE TO:

CO NO	DESCRIPTION
CO1	APPREHEND THE CONCEPTS OF INTERFERENCE OF LIGHT, DIFFRACTION OF LIGHT, FERMI ENERGY AND MAGNETIC EFFECT OF CURRENT.
CO2	UNDERSTAND PRINCIPLE OF OPERATION OF OPTICAL FIBER AND SEMICONDUCTOR DEVICE SUCH AS PHOTO DIODE AND TRANSISTOR USING SIMPLE CIRCUIT.
соз	DETERMINE ELASTIC MODULI AND MOMENT OF INERTIA OF GIVEN MATERIAL WITH THE HELP OF SUGGESTED PROCEDURES.
CO4	RECOGNIZE THE RESONANCE CONCEPT AND ITS PRACTICAL APPLICATIONS.
CO5	UNDERSTAND THE IMPORTANCE OF MEASUREMENT PROCEDURES, HONEST RECORDING AND REPRESENTING THE DATA, REPRODUCTION OF FINAL RESULTS.



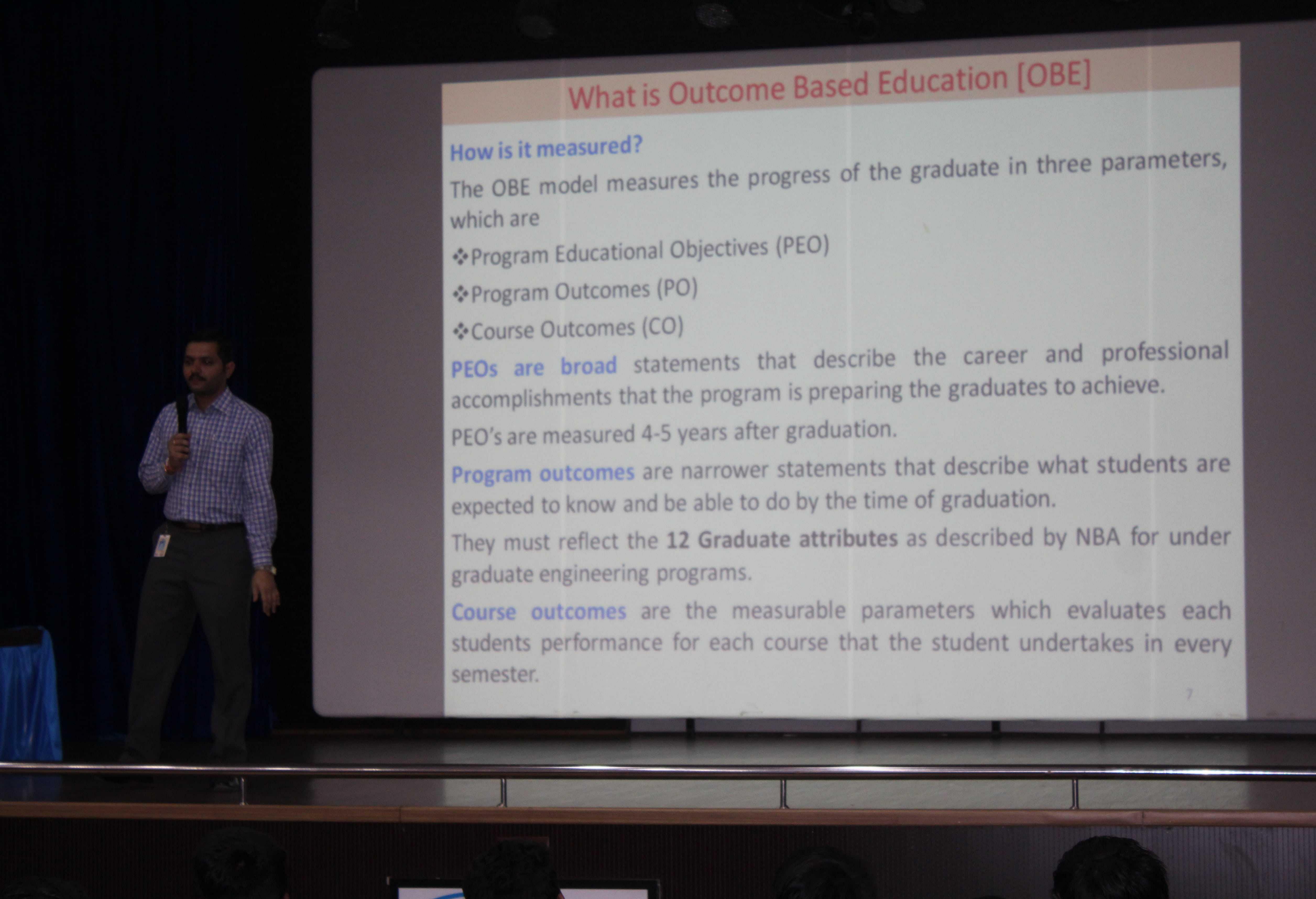


Outcome Based Education

on 13 June 2014.







What is Outcome Based Education [OBE]

How is it measured?

The OBE model measures the progress of the graduate in three parameters, which are

- Program Educational Objectives (PEO)
- Program Outcomes (PO)
- Course Outcomes (CO)

PEOs are broad statements that describe the case and professional accomplishments that the program is preparing the grad as to achieve.

PEO's are measured 4-5 years after graduation.

Program outcomes are narrower statements that the expected to know and be able to do by the time of second

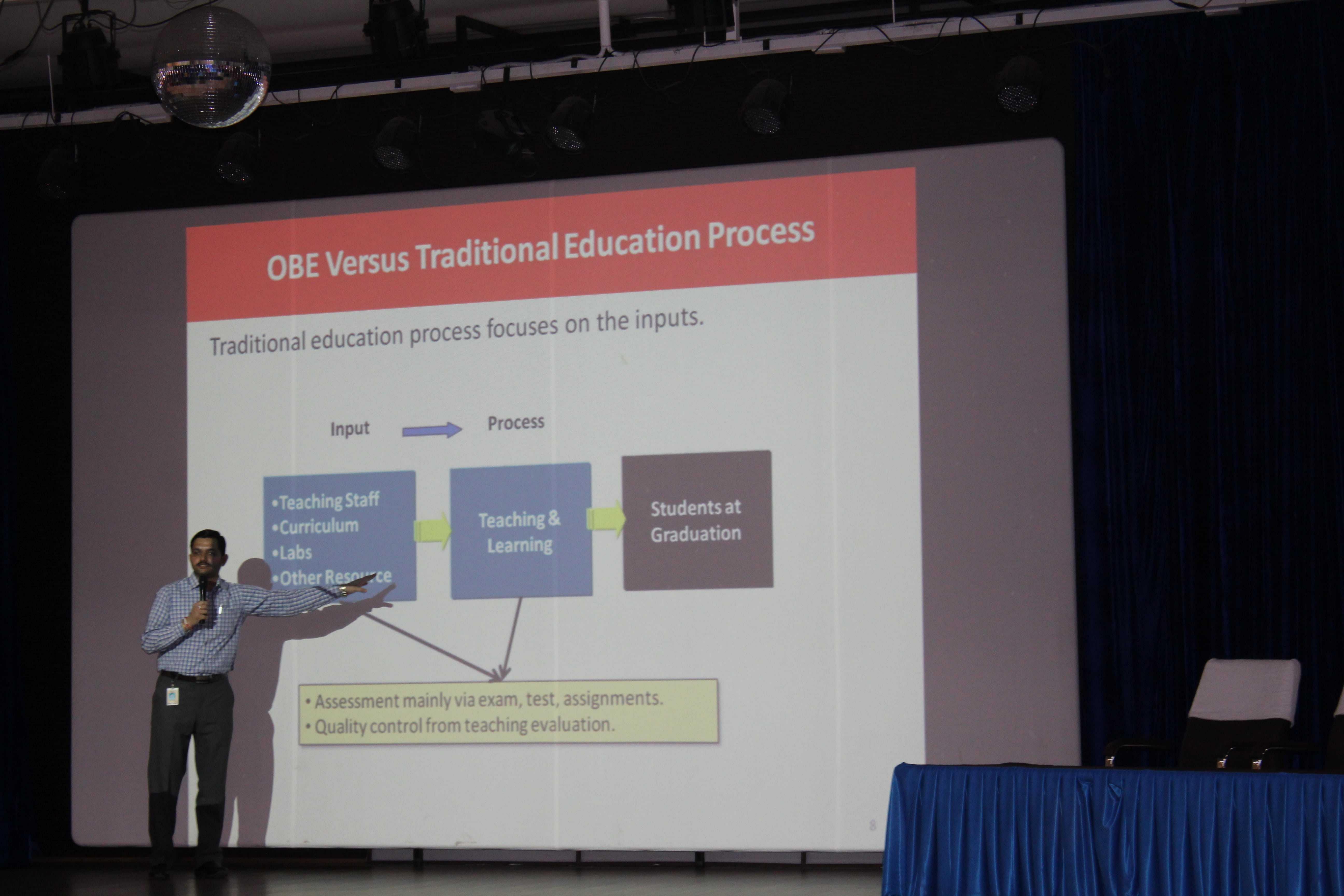
They must reflect the 12 Graduate attributes as degraduate engineering programs.

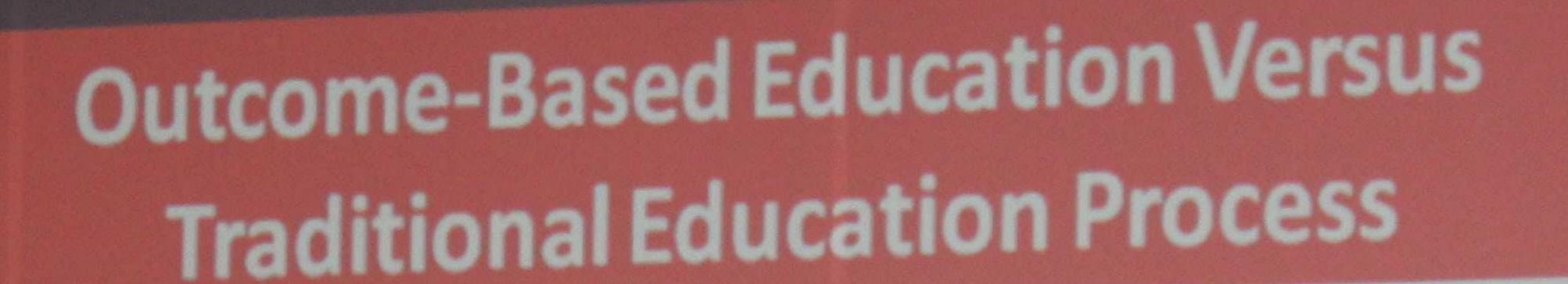
Course outcomes are the measurable parameters students performance for each course that the statement semester.

students are

NBA for under

evaluates each ertakes in every





OBE shifts from measuring input and process to include measuring the output (outcome) (Long-term)

Input

Process

(Short-term) Program & Subject

Outcomes

Program Education

Outcomes

•Teaching Staff

• Curriculum

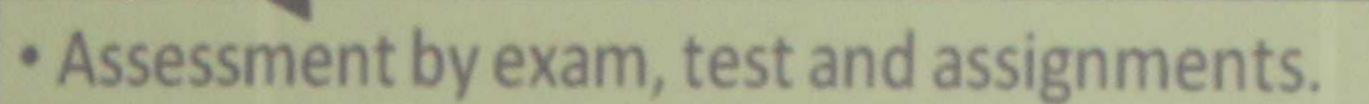
•Labs

•Other Resource

Teaching & Learning

ntsat

Graduates to Fulfill cakeholders' Satisfaction



- · Assessment of teaching staff, lecture material ses and student 'capabilities' (Short & long-term d interview, exit survey etc.
- · More 'thinking' projects, with analysis.
- · Feedback from industry, alumni and other sta
- · Clear continuous improvement step.

Stakeholders:

Er.iployers industry Advisors Academic Staff Public and Parents Students

Alumni