-Inspiration
-Innovation
-Global Competence

NBA Accreditation
Expert Team Visit

OVERVIEW

- Introduction
- Academic & Curricular Aspects
- Student Progression and Support
- Infrastructure Support
- Human Resource Development
- Special Features

Our Journey, History & Mile Stones

1984

- ✓Sri Lakshmi Ammal Educational Trust was established.
- ✓Established Bharath Institute of Science and Technology (BIST).
- ✓First Self Financing Engineering College in the state of Tamilnadu.

1989

- ✓Established Sree Balaji Dental College & Hospital (SBDCH).
- ✓First Self Financing Dental College in Tamilnadu.

1991

- ✓Department of Architecture established in BIST.

1992

- ✓Established Sree Balaji College of Nursing.

1993

- ✓BIST- First institution in India to offer B.Tech (Leather Technology).

Our Journey, History & Mile Stones

1994
- ✓Established Sree Balaji College of Physiotherapy.

1995
- ✓Established the society –BIHER

2002
- ✓Engineering Departments of BIST accredited by the NBA.
- ✓BIHER declared as Deemed to be University u/s 3 of UGC Act 1956

2003
- ✓Bio Engineering Departments established.
- ✓Established SBMCH under the ambit of BIHER.

2006
- ✓Establishment of Internal Quality Assurance Cell (IQAC).
- ✓BIHER Accredited by NAAC.

NAAC
NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL

Our Journey, History & Mile Stones

2007

✓Established Sri Lakshmi Narayana Institute of Medical Sciences (SLIMS).

2010

✓Silver & Bronze Medal - Under Water & Home Robot NTU, Singapore.

2012

✓Introduced CBCS in Engineering & Technology.

✓Established IoT Research lab.

✓1st Prize Winner - International Robotics Competition at Tehran, IRAN.

2013

✓1st Prize Winner - Robotics Competition - International Level - Istanbul, TURKEY

Our Journey, History & Mile Stones

2014

- ✓**Awards by MHRD & ASSOCHAM**
  Best Multi Stream University & Most Innovative Education Institute.
- ✓**BHARATH** BOSCH Joint Training Centre
- ✓Research on **Cancer Detection by Advanced Thermography**.

2015

- ✓**Awards** by **World Education Summit, DUBAI**
  (Best Globalised Higher Education Institution).
- ✓Re- Accredited by **NAAC – "A" grade** with a score of **3.20**
- ✓Recognition of **SIRO** (Scientific & Industrial Research Organisation).

2016

- ✓**Awards by MHRD & ASSOCHAM - Best Private University.**
- ✓**DATA 64 - Cyber Forensic Research Lab.**

2017

- ✓**NIRF 2017** ranked **No.1** in INDIA - Outreach & Inclusivity.
- ✓**Ranked No. 6** among Private Universities.
- ✓**ABET – USA** International Accreditation.*

BOSCH

A GRADE NAAC NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL

ASSOCHAM INDIA

ABET Accreditation Board for Engineering and Technology, Inc

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

Our Journey, History & Mile Stones

2018

- ✓**NIRF 2018** ranked **No.2** in INDIA - Outreach & Inclusivity.
- ✓No. 5 among Private Universities.
- ✓DST - FIST funding for Human Genetics Laboratory.

2019

- ✓Established **Bhaarath Medical College and Hospital**
- ✓**NIRF 2019** Ranked 36 in University Category
- ✓**QS I·GAUGE - Indian College and University Rating - GOLD**

2020

- ✓**Established Bhaarath College of Nursing**
- ✓**NIRF 2020** Ranked 59 in University Category

2021

- ✓**Awards by MHW - Top Ranked as Private University of Eminence**
- ✓**Awards by MHRD & ASSOCHAM - University of the Year –South**
- ✓**SCIMAGO- Ranked No. 1 in Research**

QS I·GAUGE INDIAN UNIVERSITY RATING GOLD

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

ASSOCHAM INDIA

MHW RANKING 2021

SCIMAGO INSTITUTIONS RANKINGS

STRENGTH OF THE INSTITUTION
| Background | Governance | Academic | Research

- ✓ **Our Chancellor Prof. Dr. Mohamed RELA (Former Prof.- Kings College , London), the World's Best Liver Transplant Surgeon performed more than 4000 liver transplant surgeries, successful liver transplantation for a five-day-old girl which made him enter the Guinness Book of Records in 2000. He has successfully done Swap liver transplantation on Adults - First of its kind in India. He is the only liver surgeon in INDIA with over 500 Scientific Publications.**
- ✓ **Flexible Autonomy – Academic, Administration & Finance - National & International advisory board – Experts from multi disciplines.**

STRENGTH OF THE INSTITUTION
| Background | Governance | Academic | Research

- ✓BIHER - Multi Stream University – Privileged location – Heart of Chennai city & Puducherry.
- ✓4 Campus, 6 Constituent Colleges, 11 Faculties, 18 Schools, 44 UG Programs, 67 PG programs, 1 Diploma Program and Research Programs (M.S, Ph.D, PDF).
- ✓2101 Permanent faculty and 3609 Non Teaching Staff with Students Strength 18372 (1:9 Faculty : Students ratio).
- ✓Strong track record of graduate outcomes – more than 93% of the students find employability and pursue higher education in leading educational Institutions across the world, more than 450 companies, Rs.4.5 lakhs Median annual CTC.
- ✓Industry – Institute Interactions labs with BOSCH, IBM, CISCO, Data 64, SAP, ATOS, Cybernoid, NICHE – Japan.

STRENGTH OF THE INSTITUTION
| Background | Governance | Academic | Research

- ✓Virtual class rooms, ICT, EDUSAT, NPTEL, MOOCs, etc., modules to provide access to courses from top institutions.
- ✓State of Art Student amenities – Hostel , Health Centre, Cosmopolitan Cafeteria , Sports, Gym, Recreation facilities, etc.,
- ✓Last 5 years – more than 1000 Medical camps, 500 Villages, Planted more than 50,000 Saplings.
- ✓Swachh Bharath, Swachhta Pakhwada, Unnat Bharath Abhiyan , NCC, NSS, YRC, RRC etc., for holistic development.
- ✓Nearly - 55% Girl students, 75% Other state students, 85% Economically & Socially challenged students, 43% Women faculty.

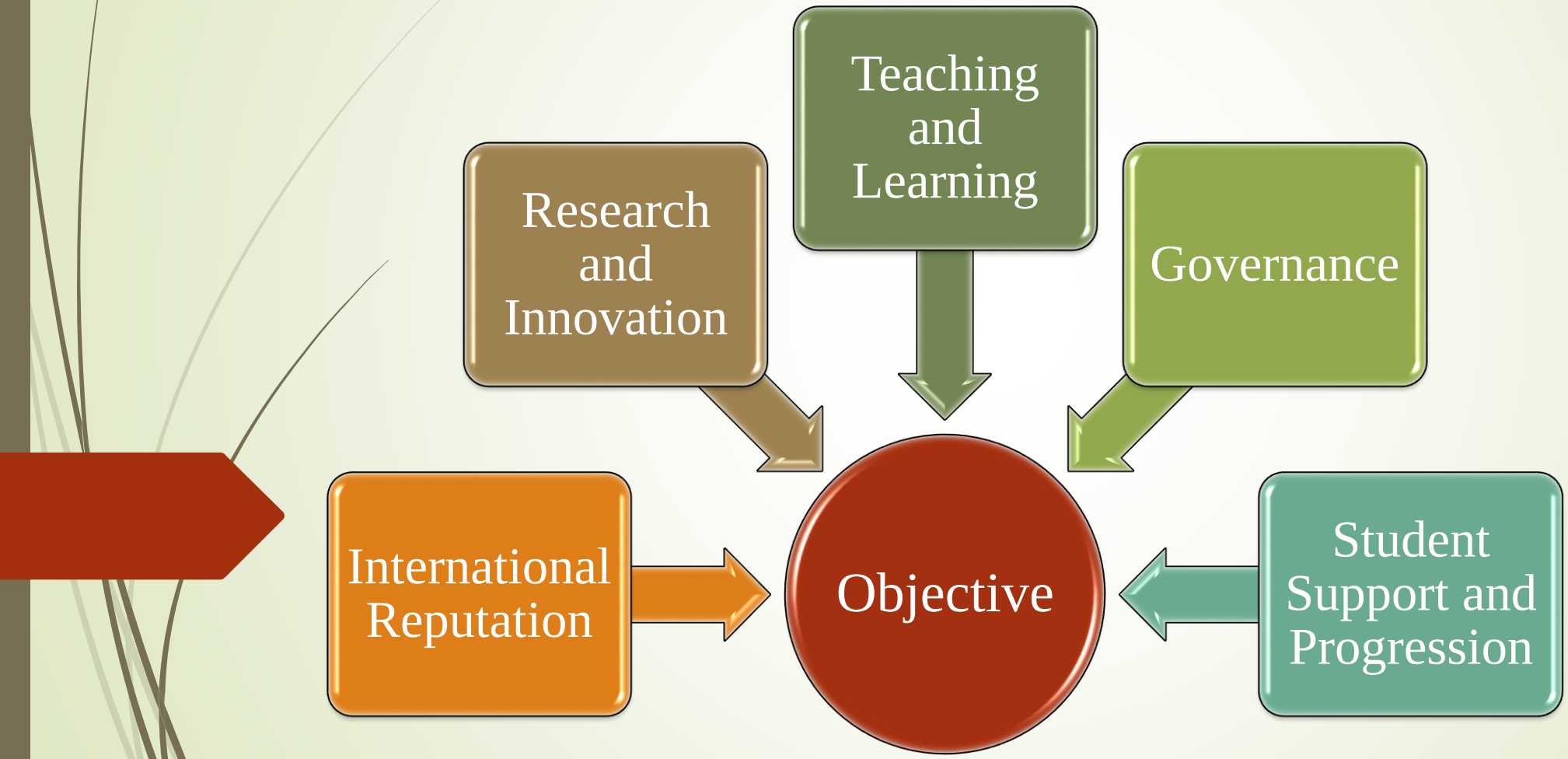
VISION

We at BIHER envision and constantly strive to provide an excellent academic and research ambience for students and members of the faculties to inherit professional competence along with human dignity and values to serve the society at large.

• MISSION

- ***To develop as a Premier University for Teaching, Learning, Research and Innovation in par with leading global universities.***
- ***To impart education and training to students towards creating a better society with ethics and morals.***
- ***To foster an interdisciplinary approach to education, research and innovation by supporting lifelong professional development, enriching knowledge banks through scientific research, promoting best practices and innovation, industry driven and institute oriented cooperation, globalization and international initiatives.***
- ***To develop as a multi-dimensional institution contributing immensely to the cause of societal advancement through spread of literacy, an ambience that provides the best of international exposures, provide health care, enrich rural development and most importantly impart value based education.***
- ***To establish benchmark standards in professional practice in the fields of innovative and emerging areas in engineering, management, medicine, dentistry, nursing, physiotherapy and allied sciences.***
- ***To imbibe human dignity and values through personality development and social service activities.***

STRATEGIC OBJECTIVES



SIGNIFICANT ACCREDITATIONS & RANKINGS

A GRADE NAAC NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL

nirf NATIONAL INSTITUTIONAL RANKING FRAMEWORK

Ministry of Human Resource Development
Government of India

University – Ranked 59
Overall – Ranked 87

SCIMAGO INSTITUTIONS RANKINGS

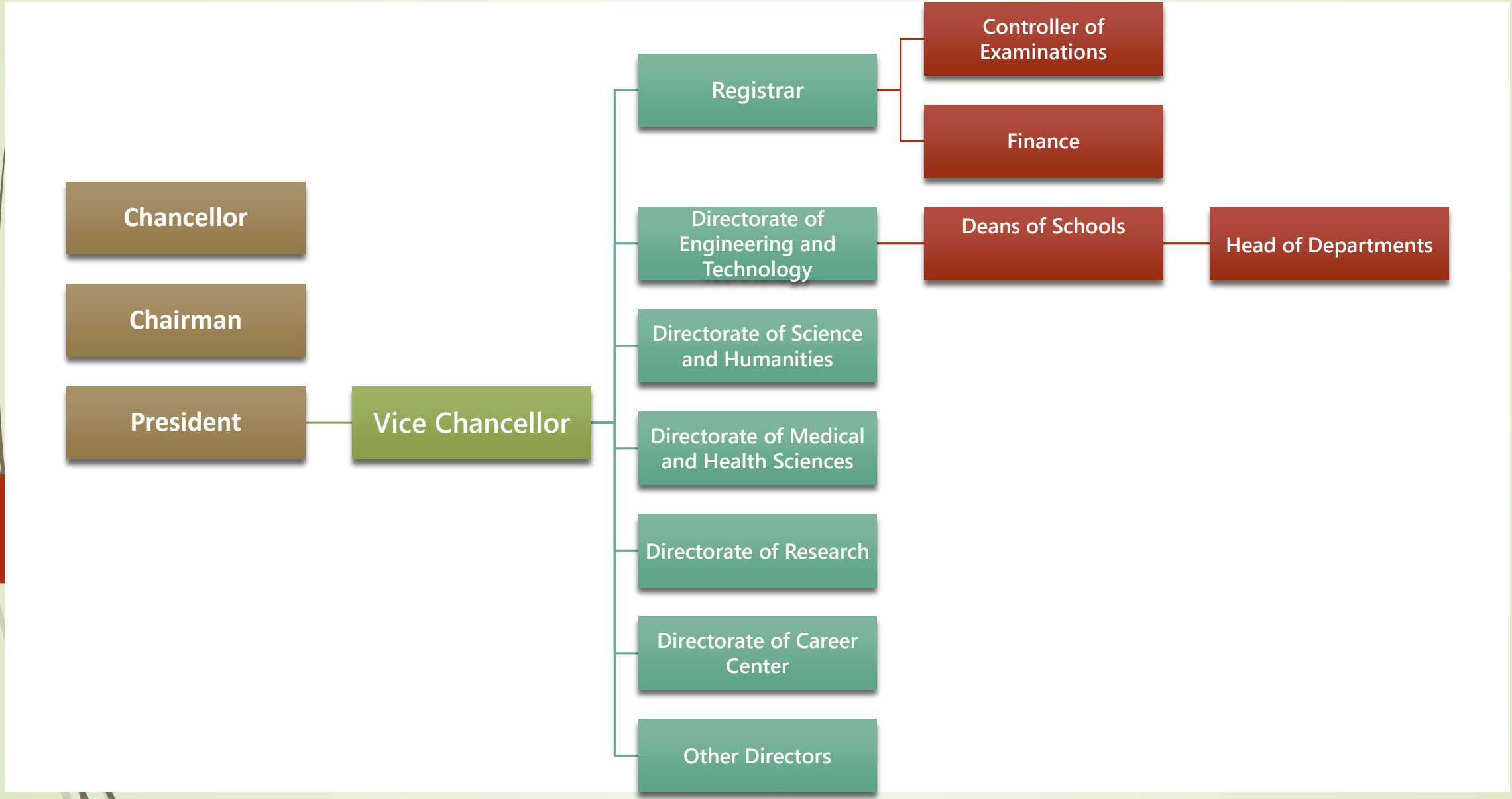
ABET
Accreditation Board for Engineering and Technology, Inc

QS I·GAUGE
INDIAN UNIVERSITY RATING
GOLD

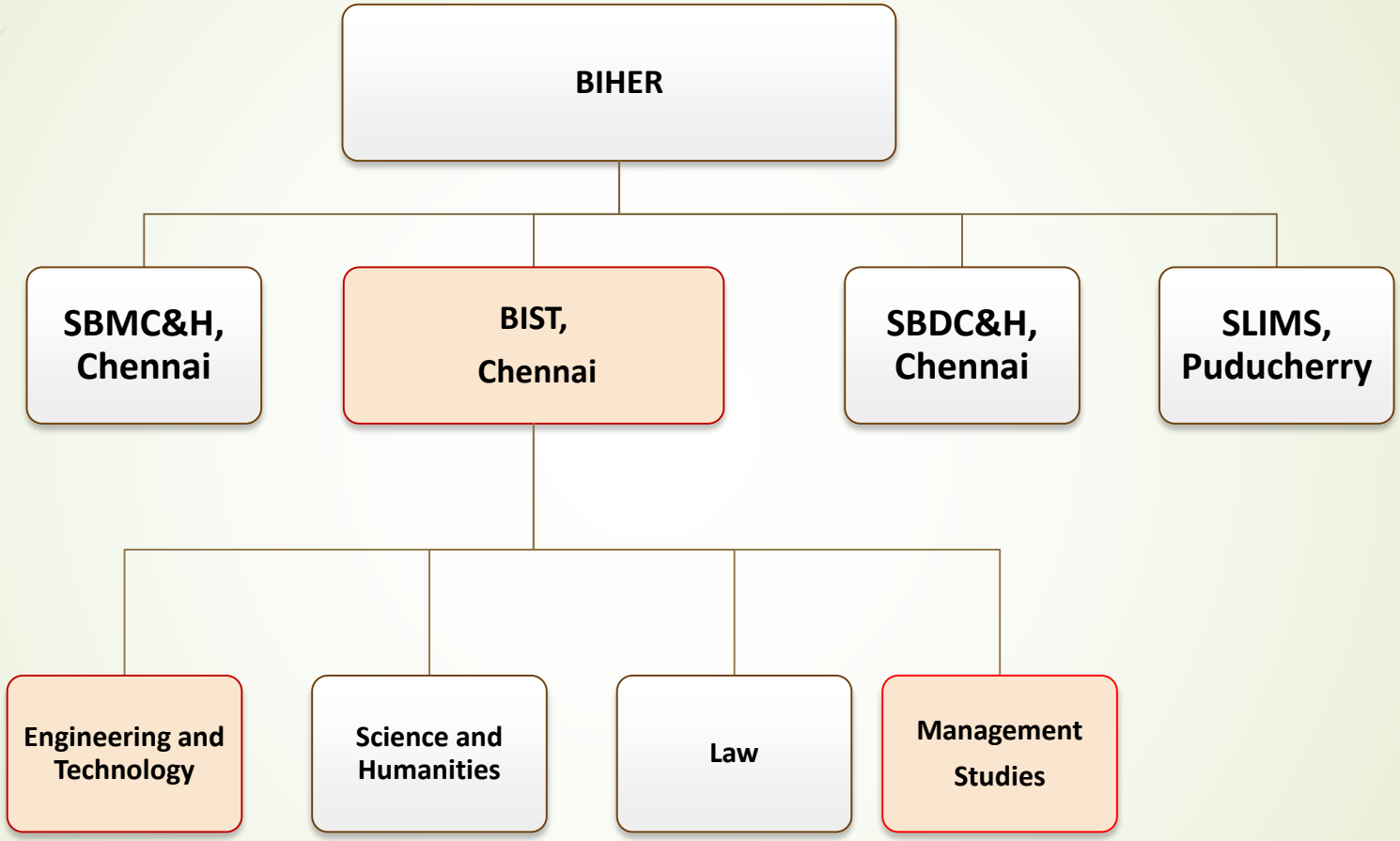
IET Accredited Programme
The Institution of Engineering and Technology

राष्ट्रीय परीक्षण और अंशशोधन प्रयोगशाला प्रत्यायन बोर्ड
NATIONAL ACCREDITATION BOARD FOR TESTING AND CALIBRATION LABORATORIES
INDIA
भारत
NABL

GOVERNANCE

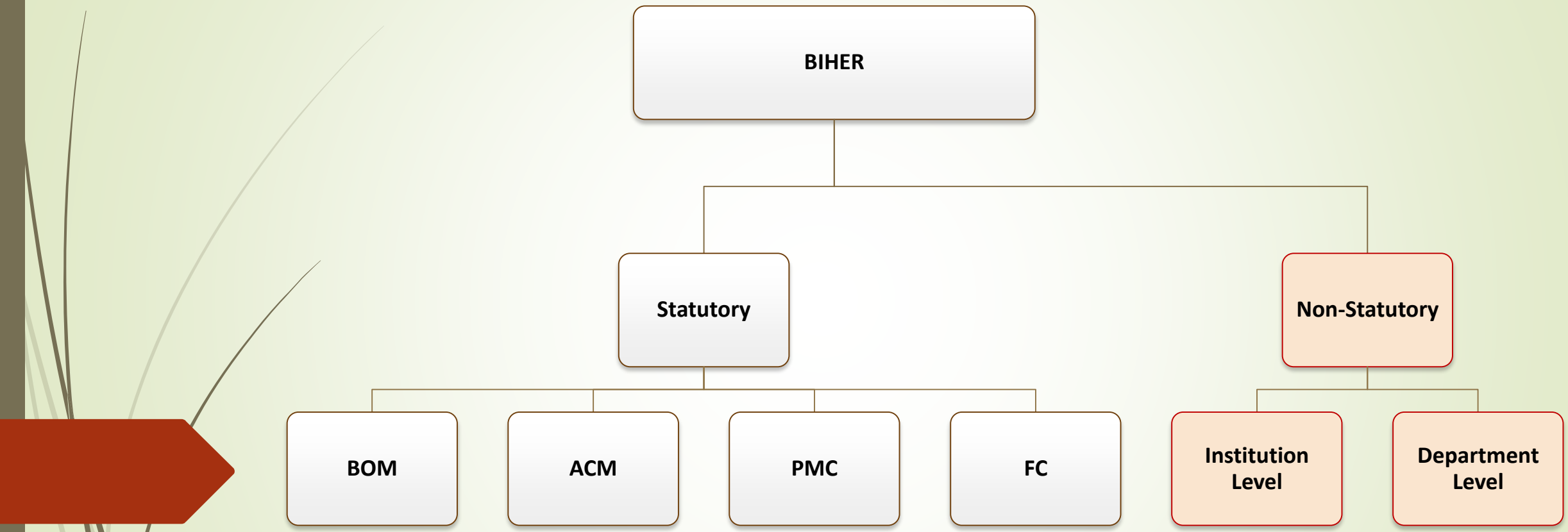

Chancellor
Chairman
President
Vice Chancellor
Registrar
Controller of Examinations
Finance
Directorate of Engineering and Technology
Deans of Schools
Head of Departments
Directorate of Science and Humanities
Directorate of Medical and Health Sciences
Directorate of Research
Directorate of Career Center
Other Directors

CAMPUS & FACULTY



BIST – Bharath Institute of Science and Technology

Administrative Committees

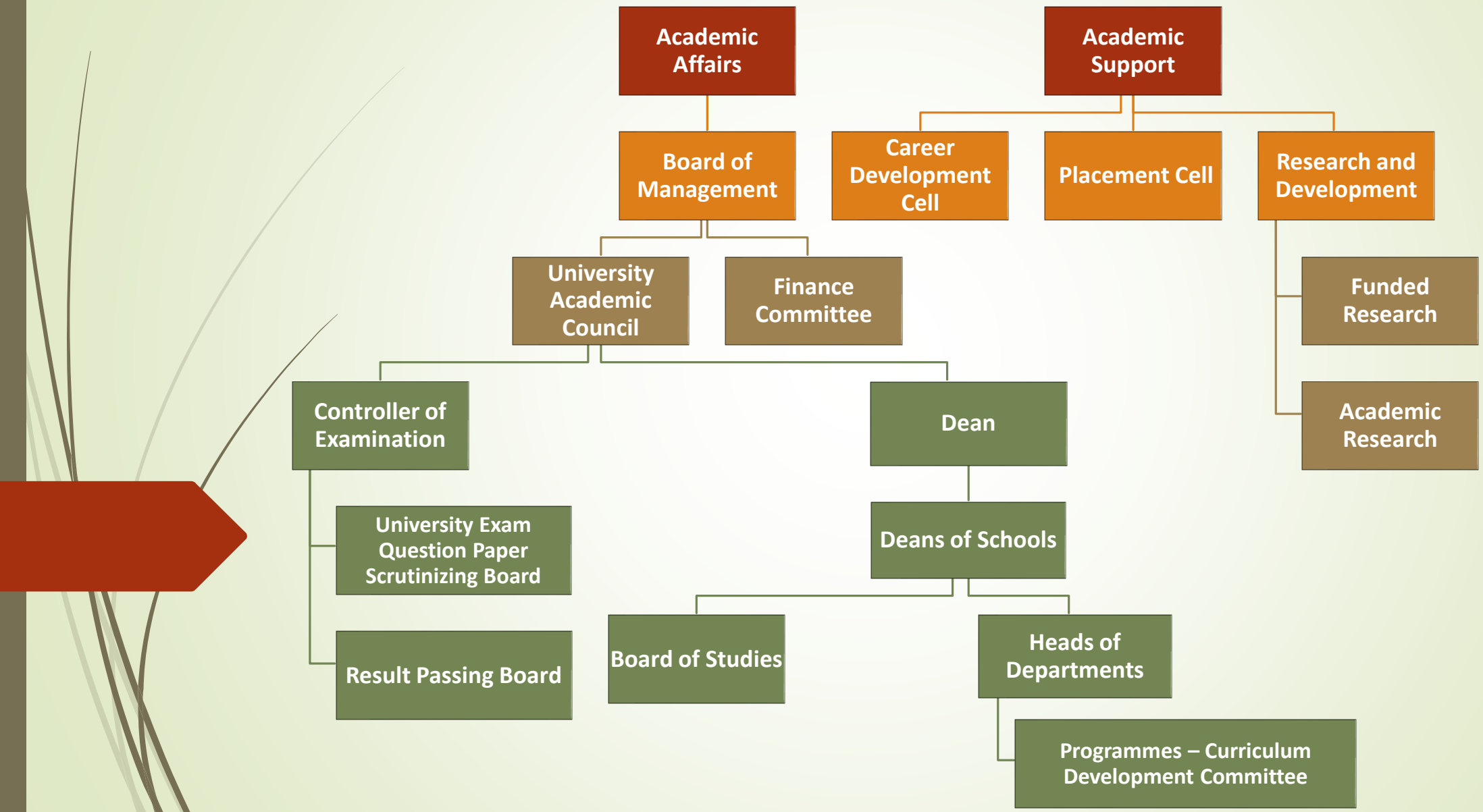


BOM– Board of Management, ACM-Academic Council,
PMC-Planning & Monitoring Committee, FC – Finance Committee

Institution-Level Committees

Institution-level	Academic Audit Committee
	Alumni Committee
	Anti-Ragging Committee
	Cultural Committee
	Research Advisory Committee
	Grievances - Redressal Committee
	Women Empowerment Committee
	Internal Complaints committee for Prevention of Sexual Harassment
	Hostel & Canteen Committee
	Purchase Committee
	Sports Committee
	transportation Committee
	ITES Cell

ACADEMIC STRUCTURE



QUALITY ASSURANCE

QA Team	Frequency	Coverage	Action Plan	Track Feedback
Course Audit	Semester	1.Course Objective and Outcomes Mapping 2.Course Syllabus aligns to Course Objective and Industry Needs 3.Assesment Questions and Moderation Procedures 4.Student Performance and Outcome	The feedback and suggestions are recorded, further discussed with the course committee the changes to be made are recorded	The inputs are placed in BOS for approval
BOS	Academic Year	1. Curriculum aligns to Programme Learning Objectives 2. Syllabus Mapping, Mode of Teaching 3. Student outcomes and feedback 4. New Content to be added is aligning to the objectives 5.Any other Inputs through Course Audit and Class Committee	The inputs about developing curriculum, syllabus coverage, other audit report are formulated	The inputs are placed in ACM for approval

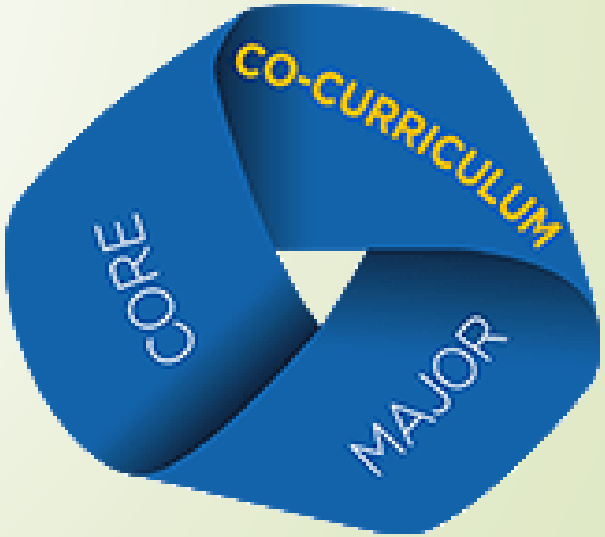
QUALITY ASSURANCE

QA Team	Frequency	Coverage	Action Plan	Track Feedback
ACM	Academic Year	1. Programmes and their Structures aligning to Department Philosophy 2. Feasibility of adding courses and content and their alignment with Program Objectives	The inputs from BOS are verified Any New Changes are Formulated	The changes incorporated in curriculum and syllabus
Academic Audit	Academic Year	1. Faculty and Teaching Process 2. Students based on the interaction 3. Evaluation Process 4. Quality of Question Papers 5. Research Activities 6. Infrastructure 7. Events Organized 8. Industry Collaboration	Presented to IQAC for further feedback	The immediate changes are incorporated as suggested

QUALITY ASSURANCE

QA Team	Frequency	Coverage	Action Plan	Track Feedback
External Examiners	Semester	Scrunitizing Question Papers based on the standards	The corrections are made in the question papers	The feedback is shared in the guidelines of the Question Paper Setting
External Project Examiners	Academic year	Major Project	Feedback of Projects Formulated	The suggestions are incorporated in further semesters

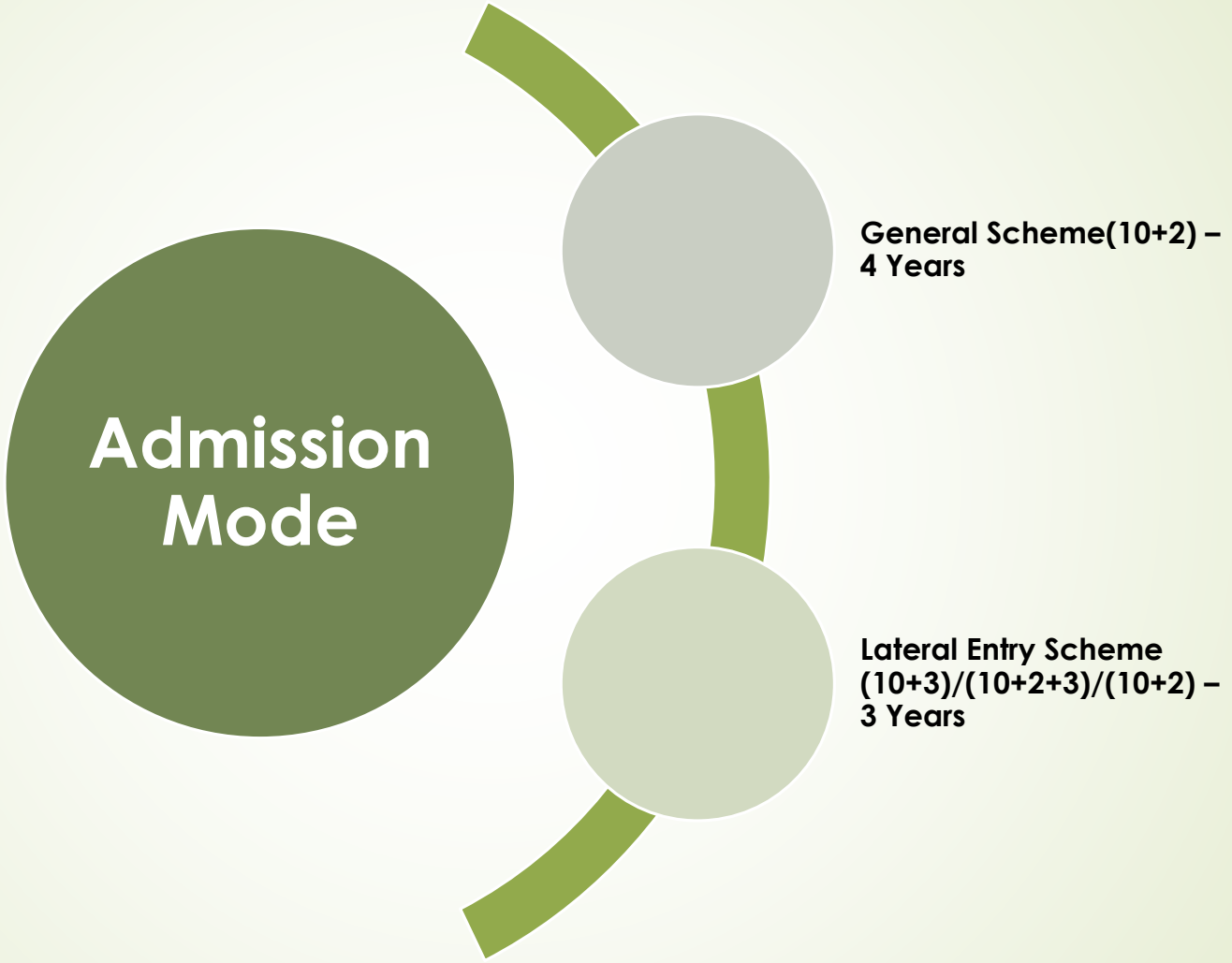
ACADEMIC AND CURRICULAR ASPECTS



PROGRAMS
(Considered for Accreditation)

Departments	UG Programs	PG Programs
Department of Computer Science and Engineering	B.Tech - Computer Science and Engineering	M.Tech – Computer Science and Engineering
Department of Automobile Engineering	B.Tech – Automobile Engineering	M.Tech – Automobile Engineering
Department of Aeronautical Engineering	B.Tech – Aeronautical Engineering B.Tech – Aerospace Engineering	
Department of Management Studies		MBA – Master of Business Administration

ADMISSION PROCESS – UG Engg



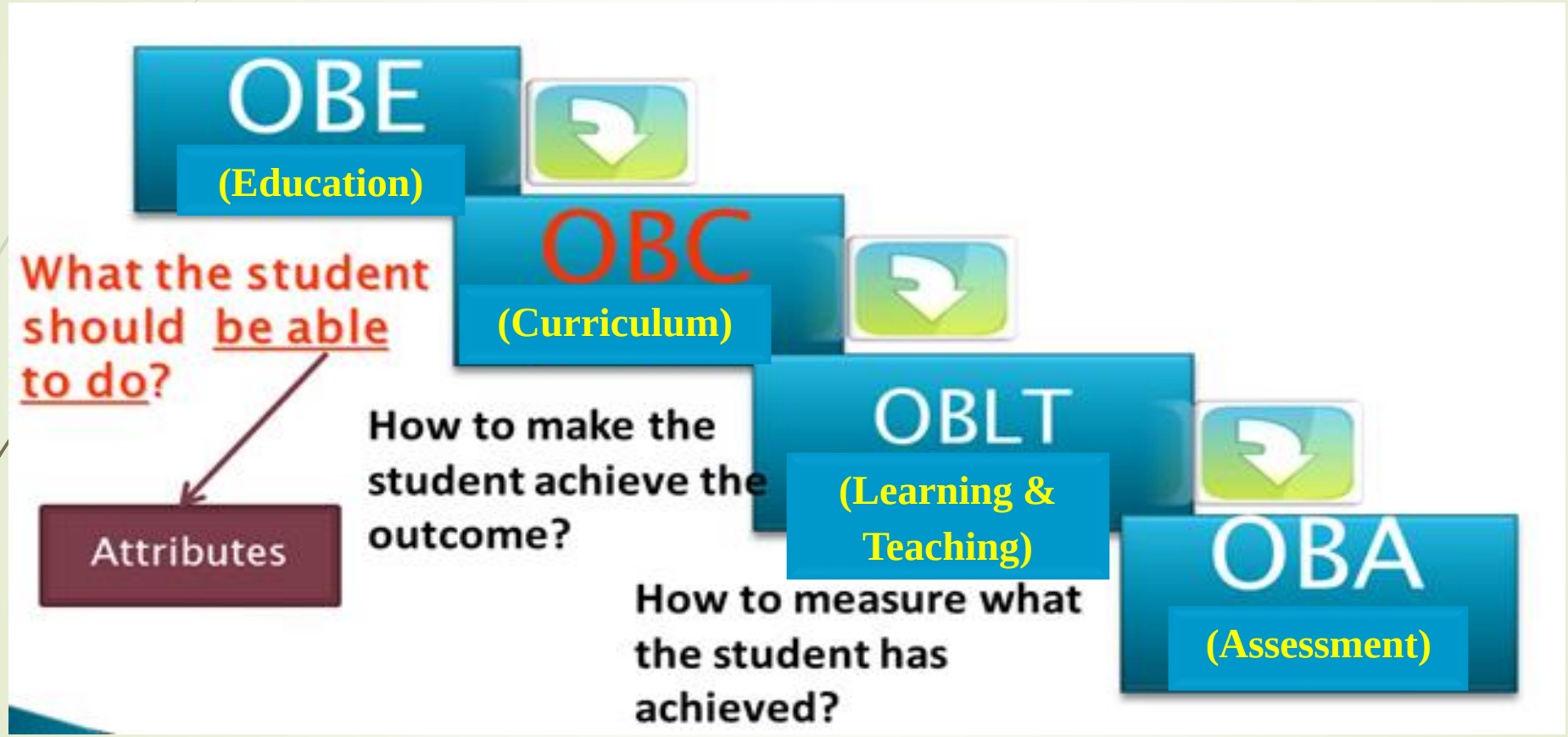
ADMISSION PROCESS

- Eligibility based on marks in school level qualifying examination (Higher Secondary)
- National level Entrance Examination and Rank listing
  - 1,55,278 applicants for BEEE-2020
- Admission Counseling based on ranking
- Allocation of programs based on student preference during counseling
  - 1754 students(UG-Engg) admitted during 2020-21

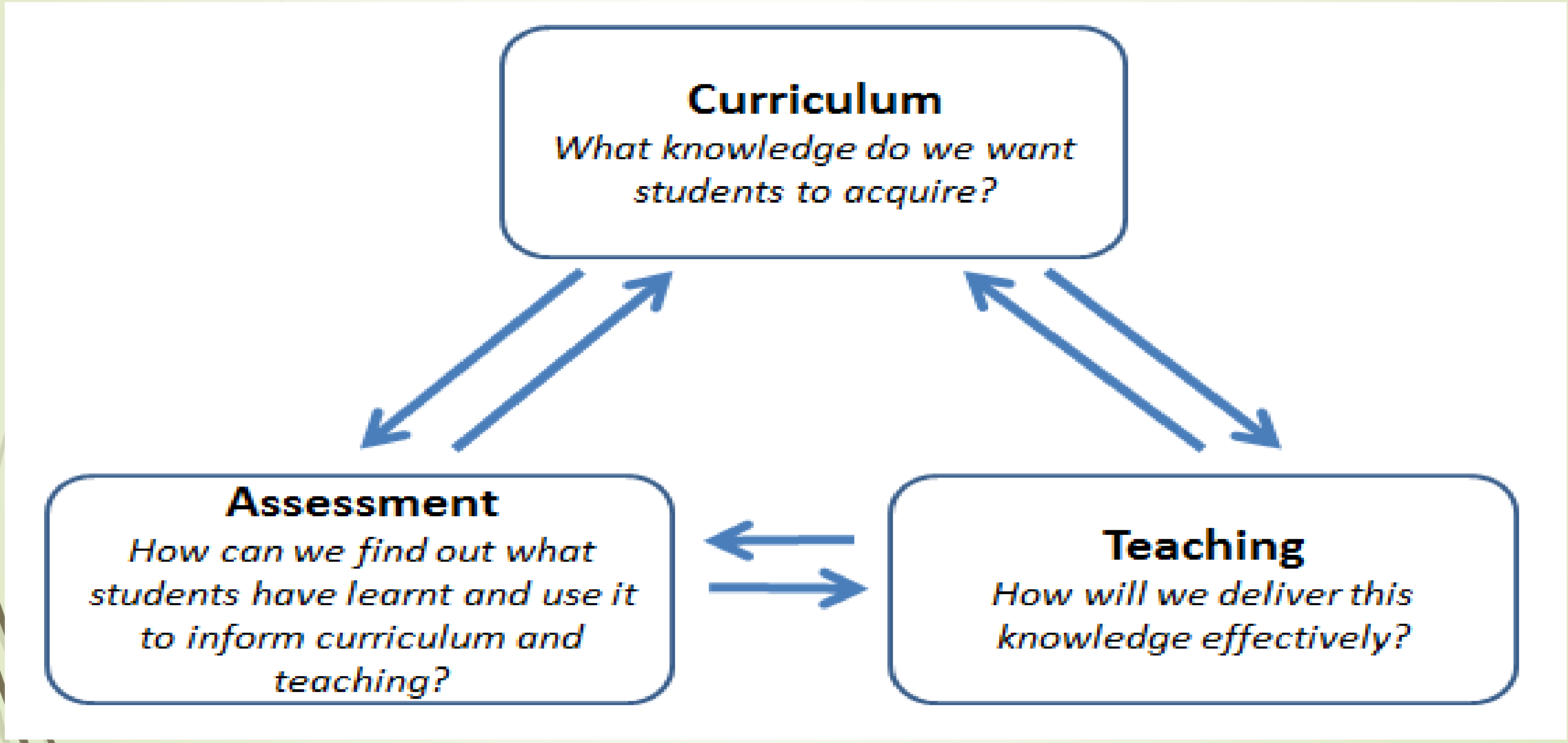
PROGRAMS FOR ACCREDITATION
&
ENROLLMENT STATUS

	2020-21	2019-20	2018-19	2017-18
B.Tech - CSE	1128	1133	845	718
B.Tech - Automobile	50	41	55	36
B.Tech - Aeronautical	155	112	124	177
MBA	116	92	97	119

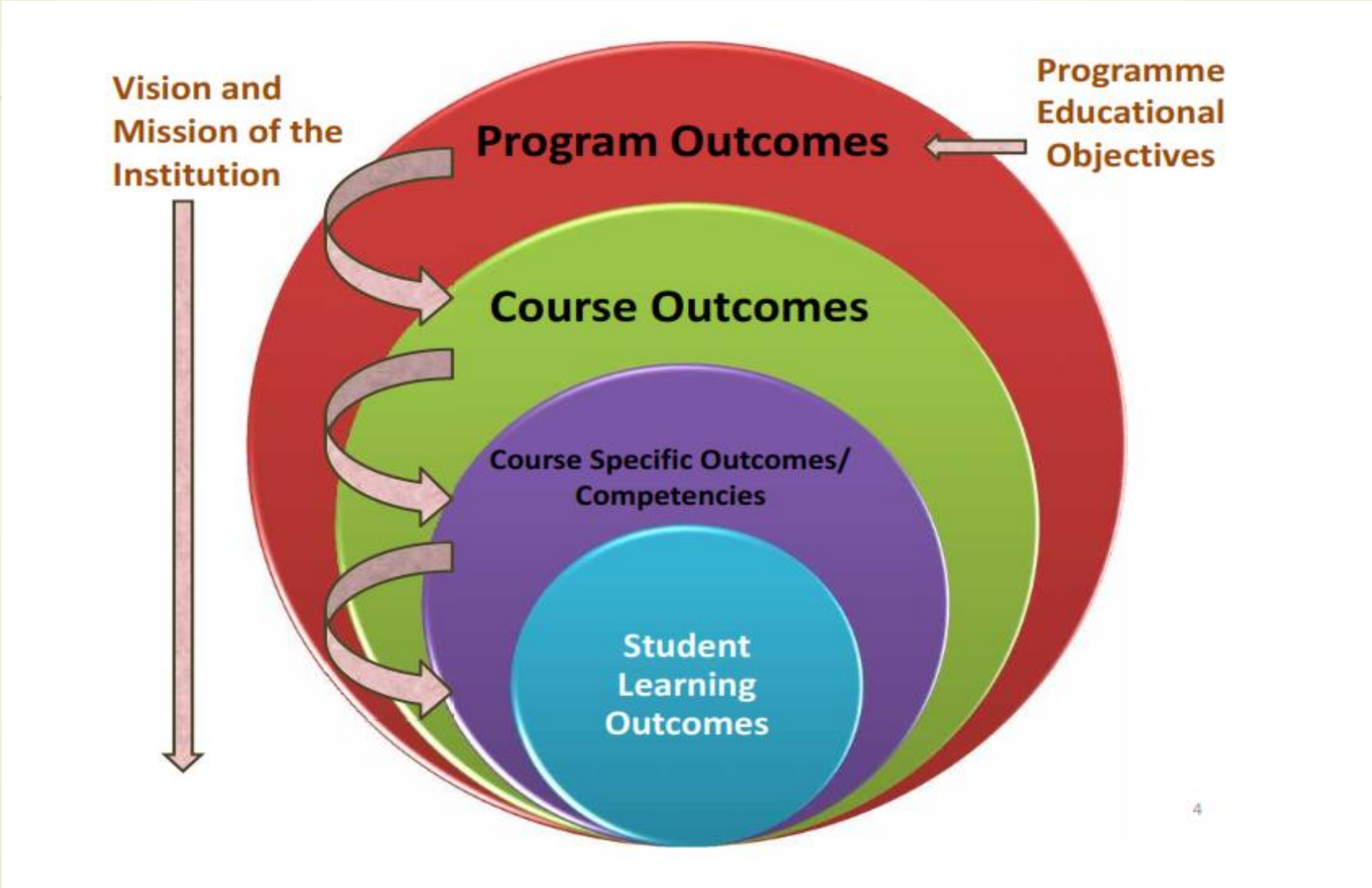
OBE @ BIHER


OBE
(Education)
OBC
(Curriculum)
OBLT
(Learning & Teaching)
OBA
(Assessment)
What the student should be able to do?
Attributes
How to make the student achieve the outcome?
How to measure what the student has achieved?

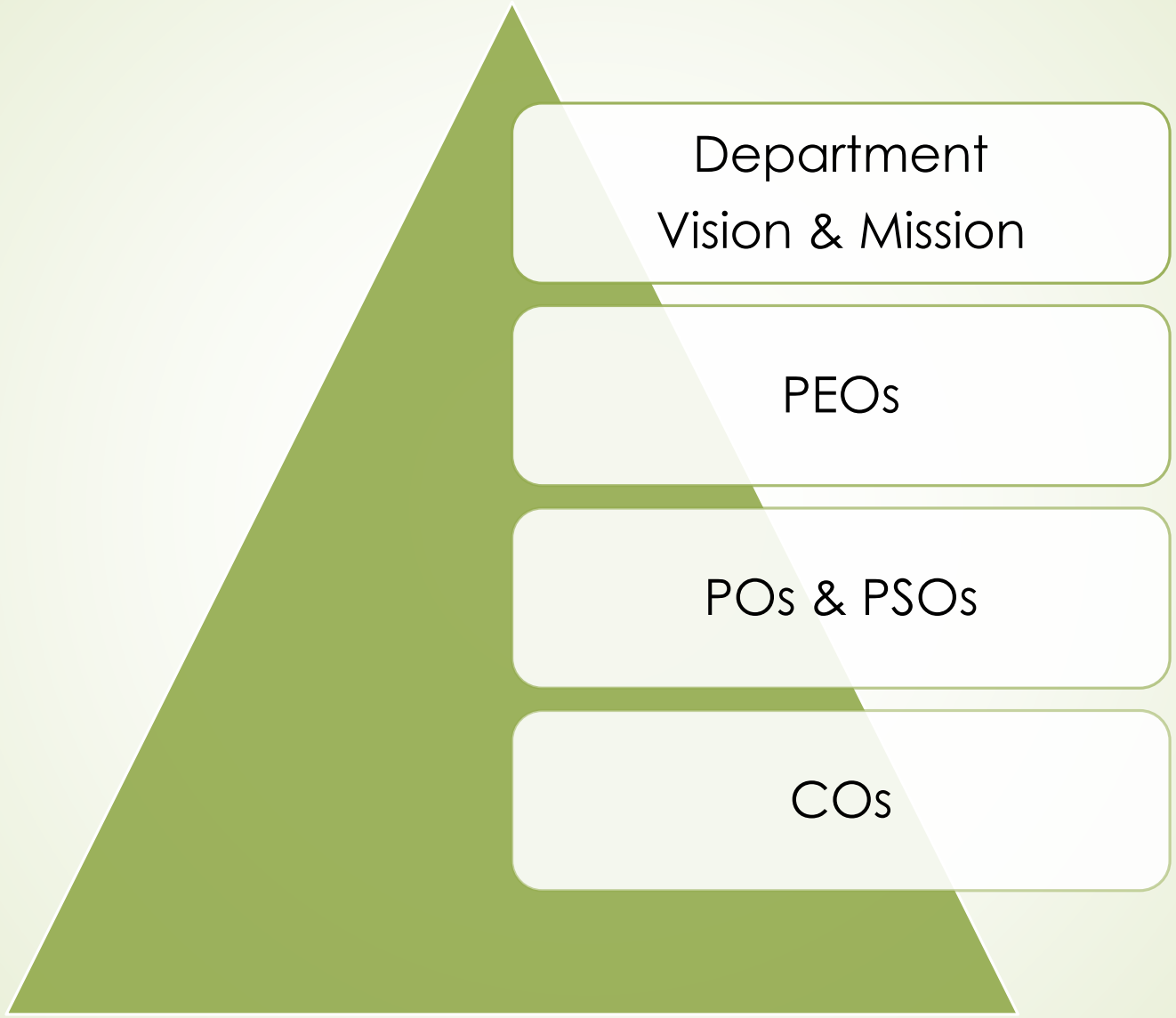
OBE @ BIHER


Curriculum
What knowledge do we want students to acquire?
Assessment
How can we find out what students have learnt and use it to inform curriculum and teaching?
Teaching
How will we deliver this knowledge effectively?

OBE @ BIHER


Vision and Mission of the Institution
Programme Educational Objectives
Program Outcomes
Course Outcomes
Course Specific Outcomes/ Competencies
Student Learning Outcomes
4

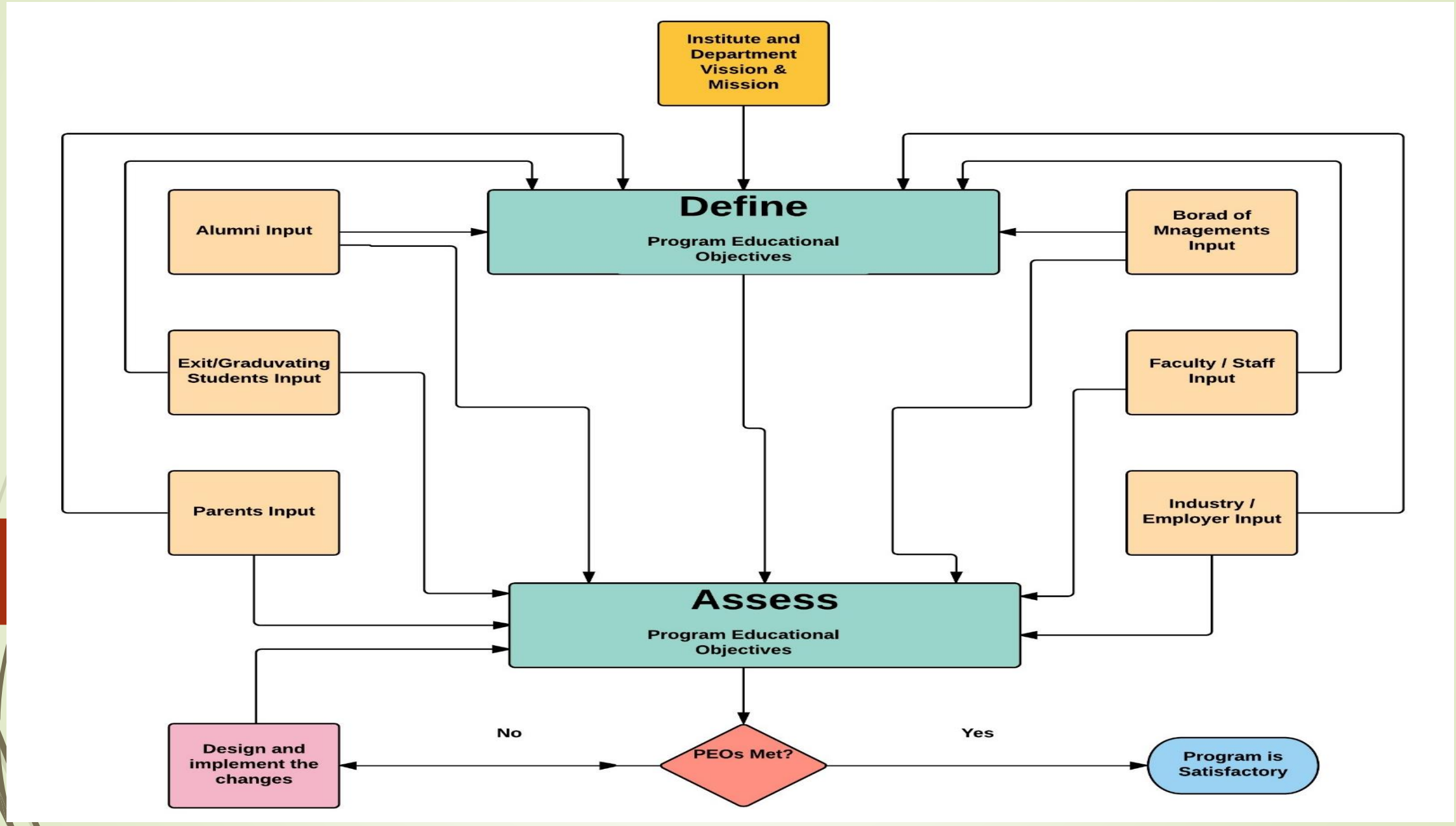
Curricular Objectives and Outcomes



PROGRAMS EDUCATIONAL OBJECTIVES

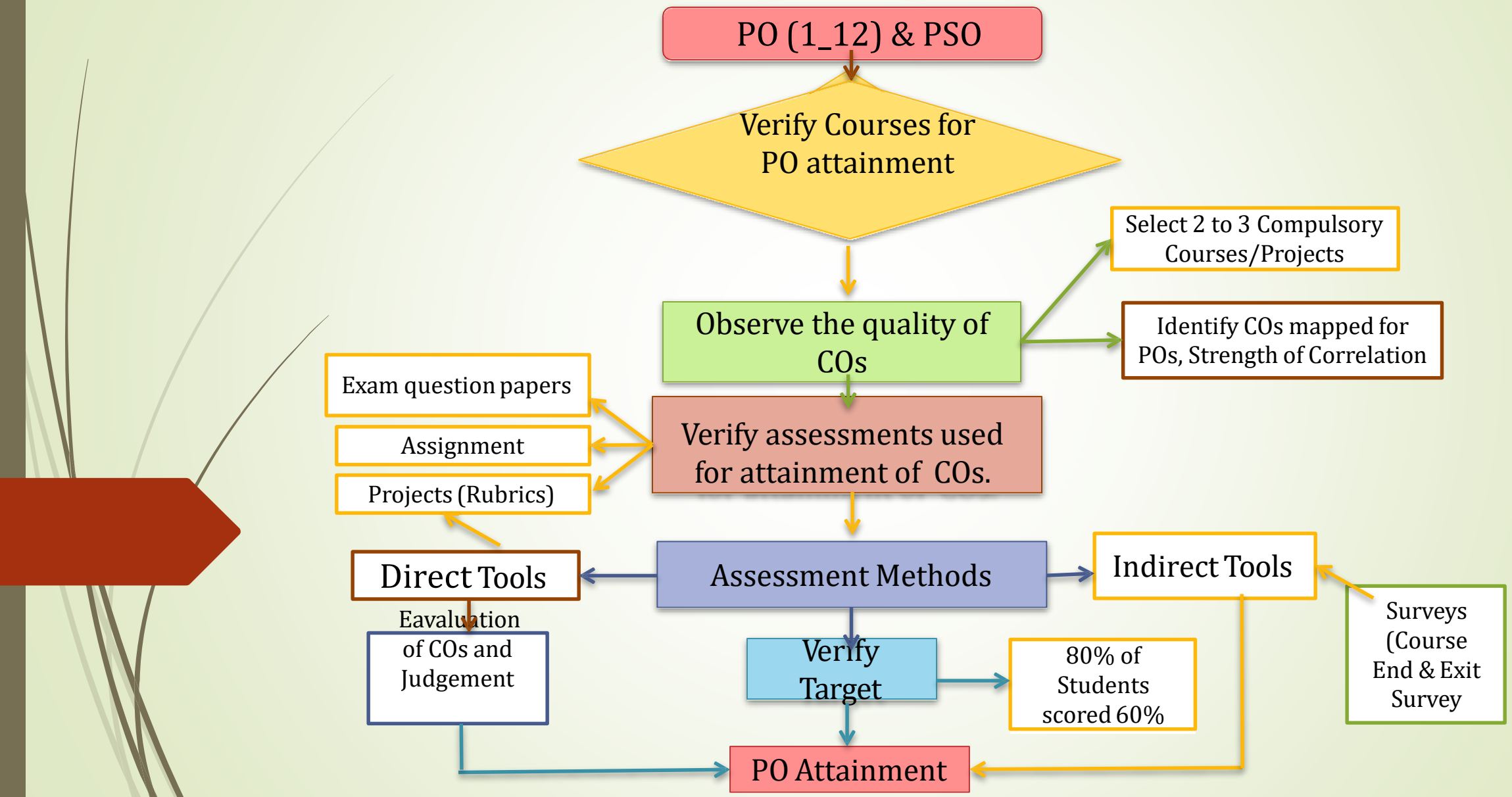
PEO#1	• Preparation
PEO#2	• Core Competence
PEO#3	• Professionalism
PEO#4	• Skill & Proficiency
PEO#5	• Ethics

PROGRAMS EDUCATIONAL OBJECTIVES



PROGRAMS OBJECTIVES(PO)

PO, PSO & CO – Attainment Chart



CO Attainments

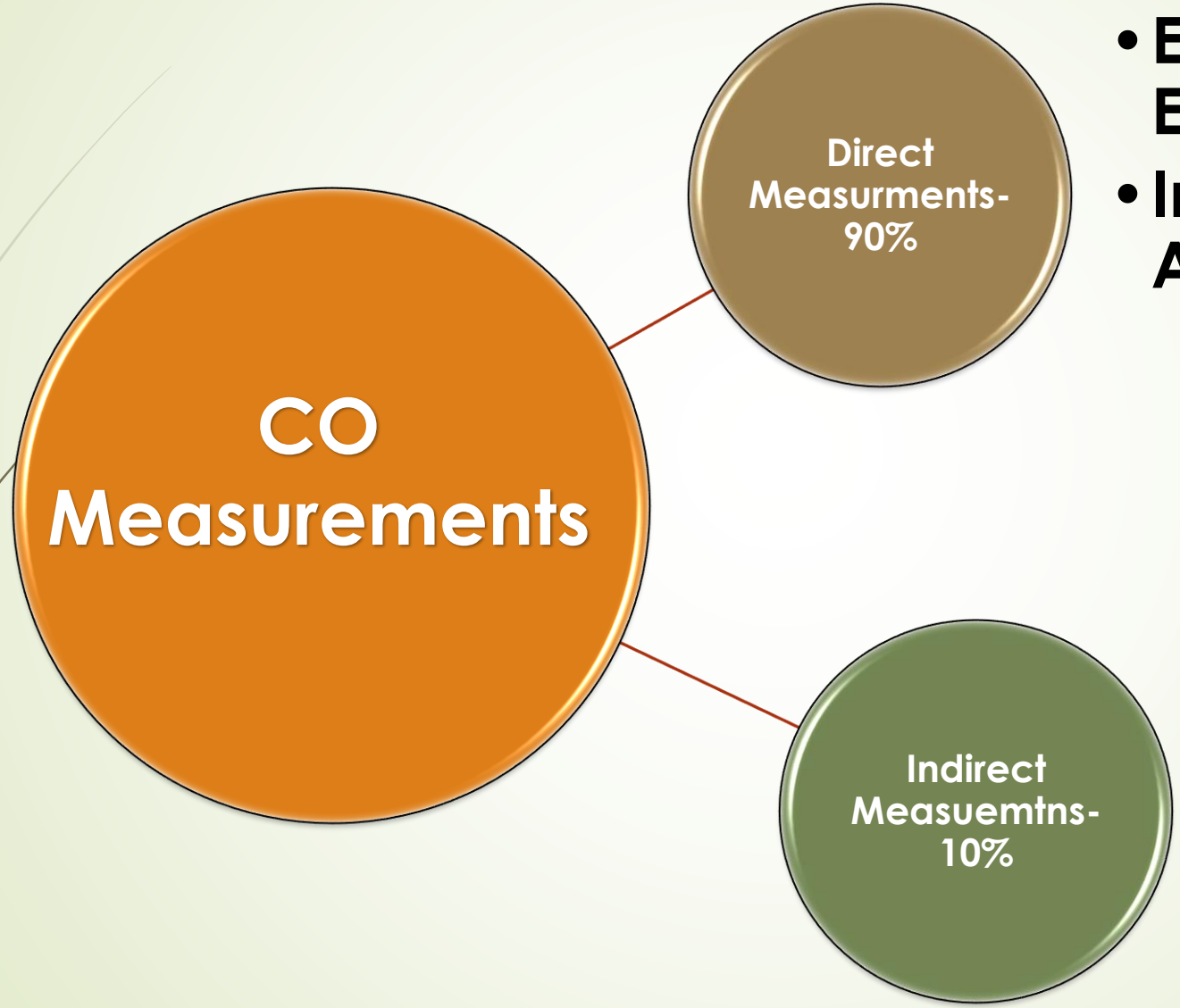
The CO attainment levels being measured based on the results of the internal assessment and external examination conducted by the University. In this direct measurements, two cycle test, two assignments, one model examination and one university examination conducted for each course in a semester. In each measurement, the percentage of students who achieve a set target (usually, 60% of maximum marks for theory tests and 80% of maximum marks for assignments) for the COs that are covered is computed. After the tests and assignments, the average of these percentage is computed to decide the attainment level. For example, the following example guidelines for arriving at an attainment level:

- ***Attainment Level 1 : 60% of students score more than target level(60% - Written Test and 80% - Assignments)***
- ***Attainment Level 2 : 70% of students score more than target level(60% - Written Test and 80% - Assignments)***
- ***Attainment Level 3 : 80% of students score more than target level(60% - Written Test and 80% - Assignments)***

Direct CO attainment=30% of Internal Assessments CO attainment level + 70% of University Exam CO attainment level

Indirect CO Attainment=

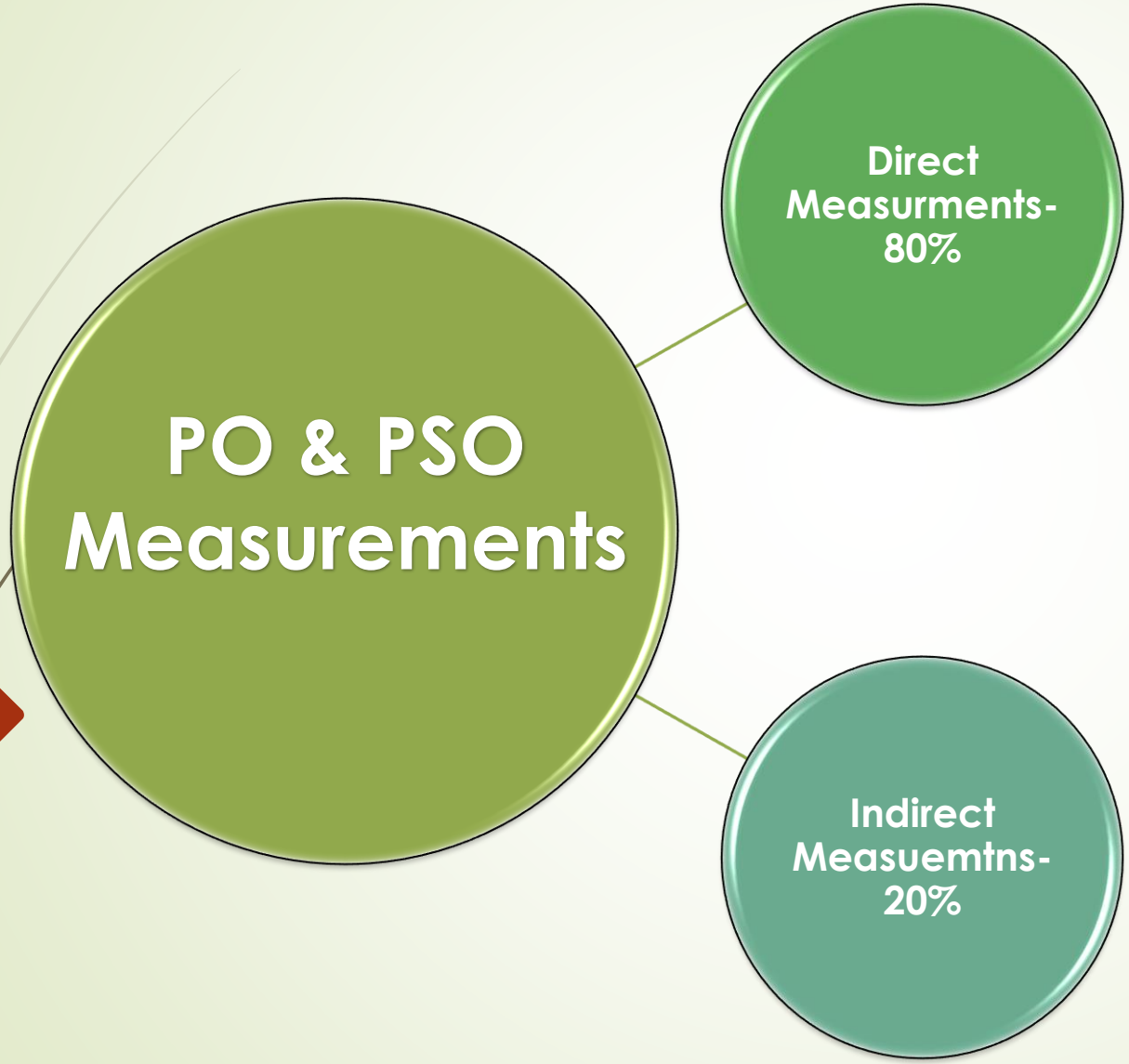
CO attainment Rubrics



- End Semester Exams
- Internal Assessment

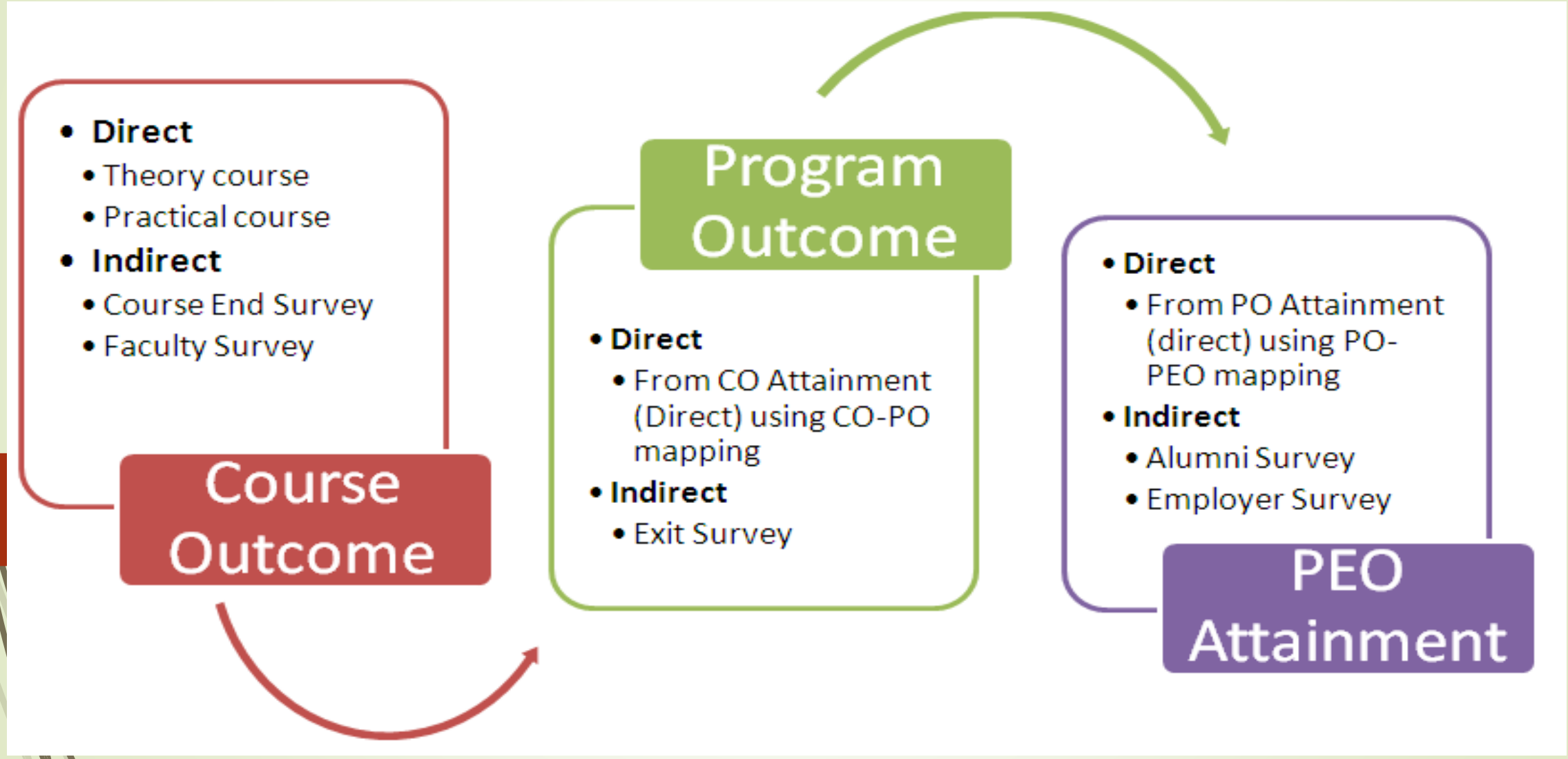
- Course End Survey – 5%
- Faculty Survey – 5%

PO & PSO attainment Rubrics



- Exit Students Survey – 10%
- Course End Survey – 5%
- Faculty Survey – 5%

OUTCOMES ATTAINMENTS PROCESS

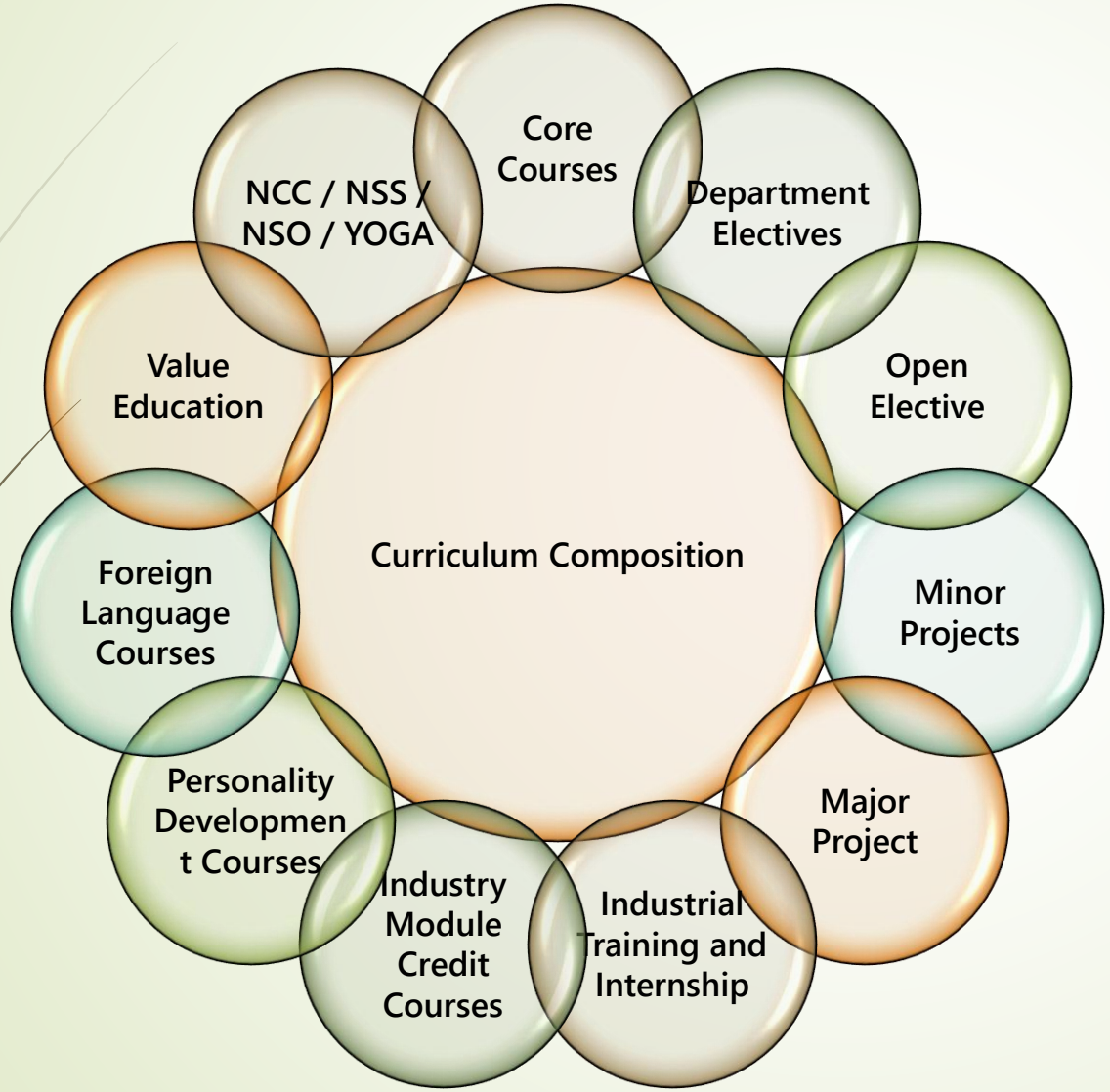


CURRICULUM DESIGN

(Objectives of Choice Based Credit System-CBCS)

- More Academic Flexibility in the form of more Electives
- Multi disciplinary Curriculum to students based on their ability and Interest
- Students can enable to progress at their own pace
- Development of depth knowledge in selected area
- Students can get training in a specific skills, to equip for the job market

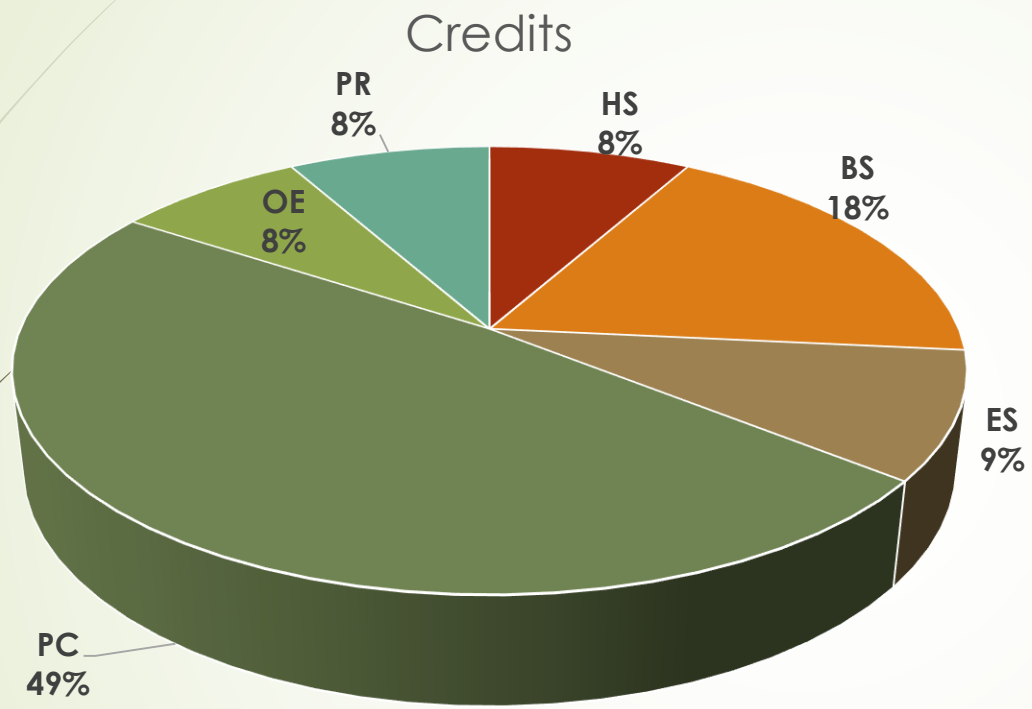
CURRICULUM DESIGN



Type of Courses

- Theory
- Practical
- Theory with Practical (Joint)
- Project
- Industrial Training
- Seminar

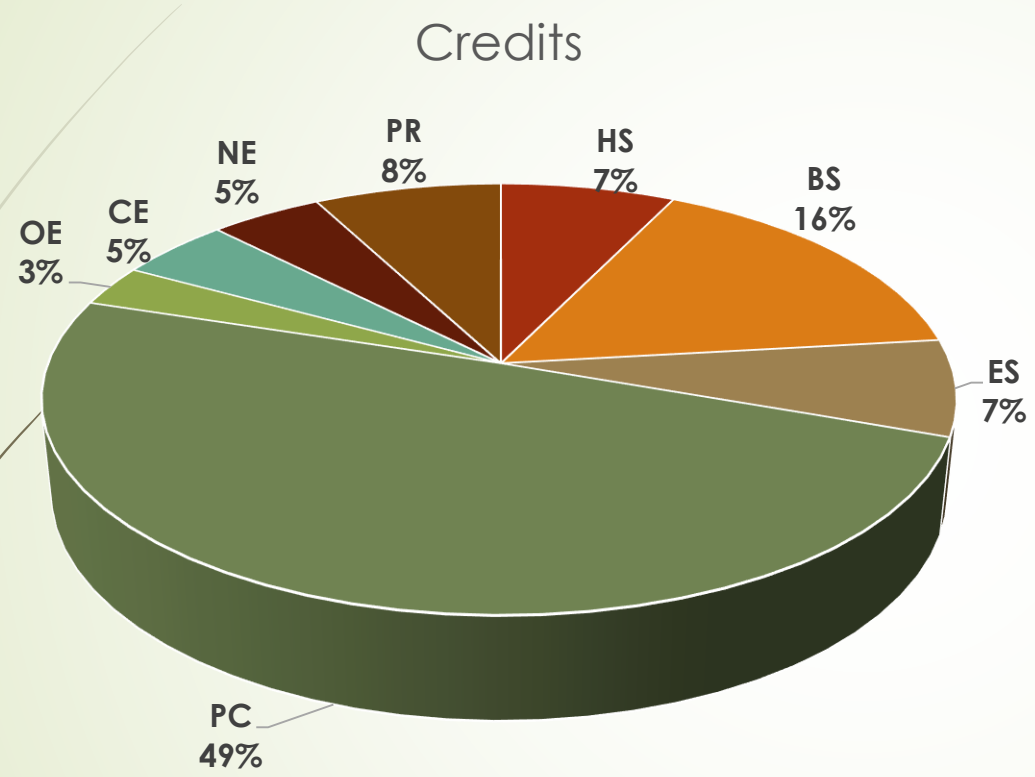
CURRICULUM DESIGN – B.Tech – R2015-CSE



Subject Area	No. of Credits
HS	16
BS	36
ES	18
PC	95
OE	15
PR	16
Total	*196*

HS-Humanities & Social Science, BS-Basic Sciences, ES-Engineering Sciences, PC-Professional Core, OE-Open Electives, PR-Project Works

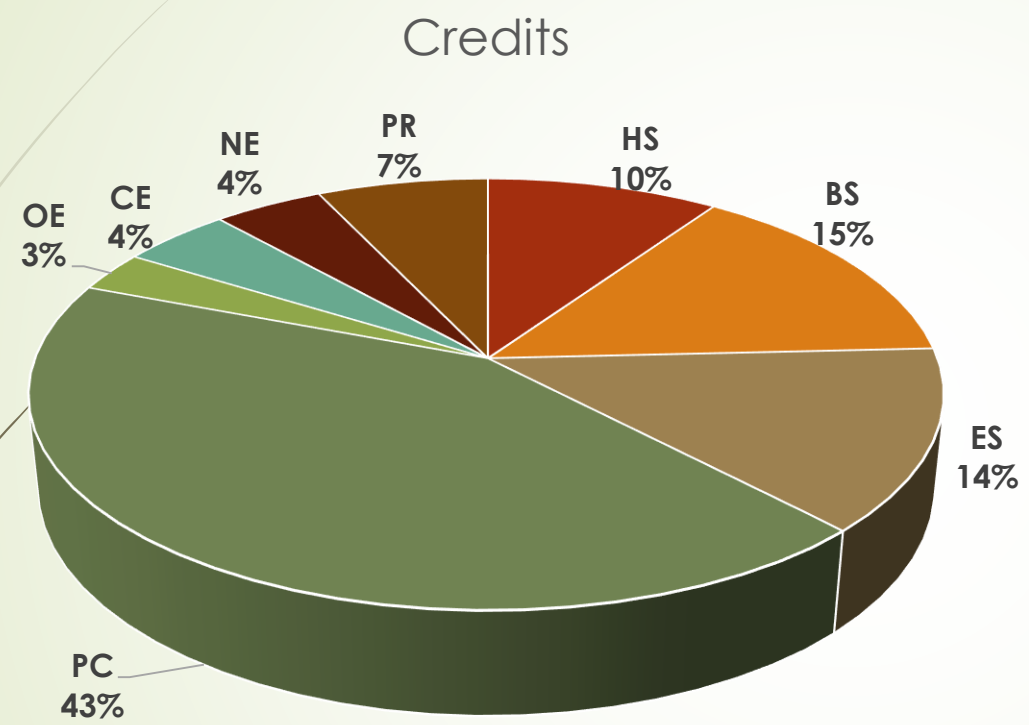
CURRICULUM DESIGN – B.Tech – R2015-Auto



Subject Area	No. of Credits
HS	14
BS	31
ES	14
PC	96
OE	6
CE	9
NE	9
PR	15
Total	*194*

HS-Humanities & Social Science, BS-Basic Sciences, ES-Engineering Sciences, PC-Professional Core, CE-Core Elective, NE-Non Major Electives, OE-Open Electives, PR-Project Works

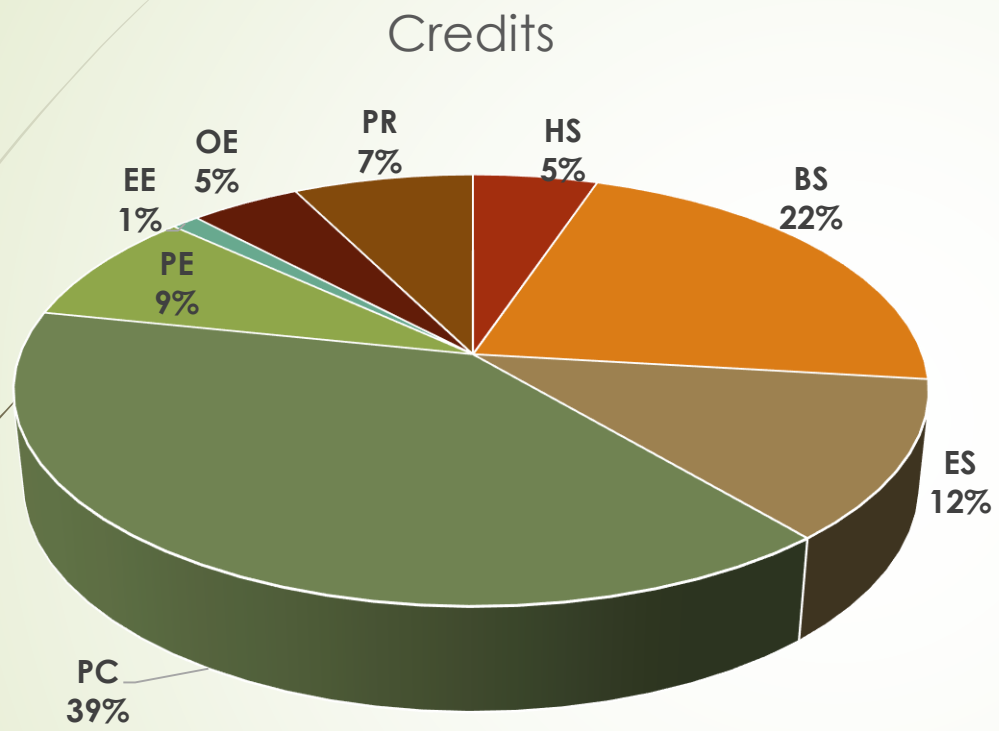
CURRICULUM DESIGN – B.Tech – R2015-Aero



Subject Area	No. of Credits
HS	19
BS	29
ES	27
PC	85
OE	6
CE	9
NE	9
PR	14
Total	*198*

HS-Humanities & Social Science, BS-Basic Sciences, ES-Engineering Sciences, PC-Professional Core, CE-Core Elective, NE-Non Major Electives, OE-Open Electives, PR-Project Works

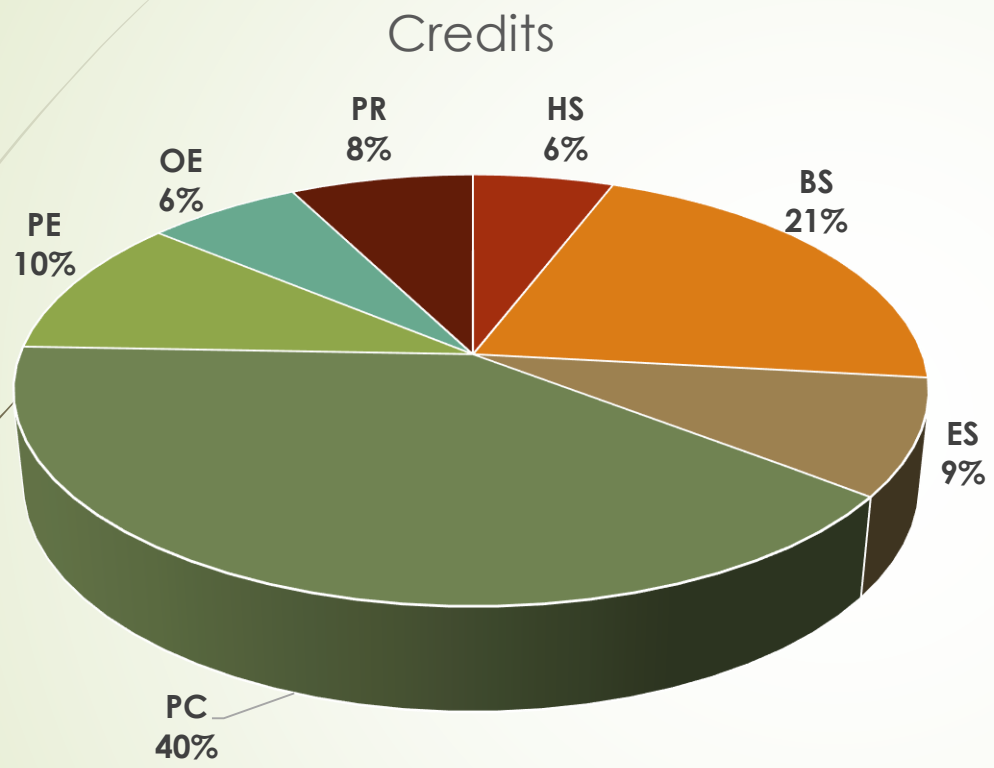
CURRICULUM DESIGN – B.Tech – R2018-CSE



Subject Area	No. of Credits
HS	9
BS	38
ES	21
PC	69
PE	15
EE	2
OE	8
PR	13
Total	*175*

HS-Humanities & Social Science, BS-Basic Sciences, ES-Engineering Sciences, PC-Professional Core, PE-Professional Elective, EE-Engineering Electives, OE-Open Electives, PR-Project Works

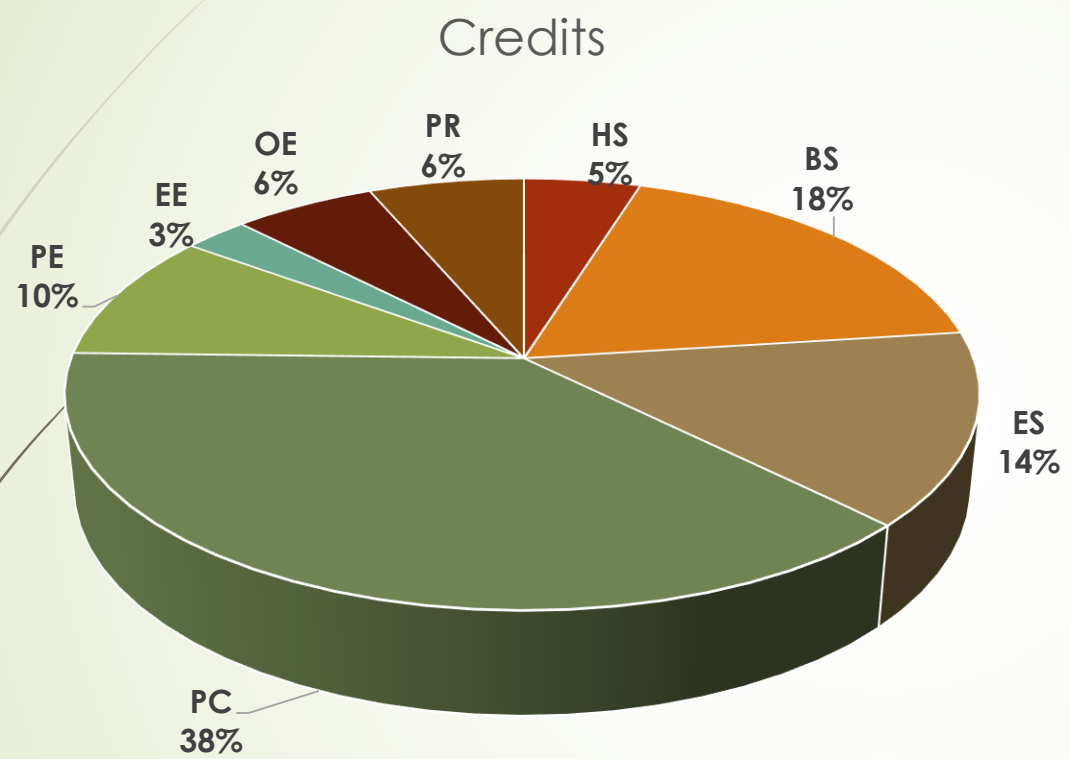
CURRICULUM DESIGN – B.Tech – R2018-Auto



Subject Area	No. of Credits
HS	10
BS	36
ES	15
PC	69
PE	18
OE	11
PR	13
Total	*172*

HS-Humanities & Social Science, BS-Basic Sciences, ES-Engineering Sciences, PC-Professional Core, PE-Professional Elective, EE-Engineering Electives, OE-Open Electives, PR-Project Works

CURRICULUM DESIGN – B.Tech – R2018-Aero

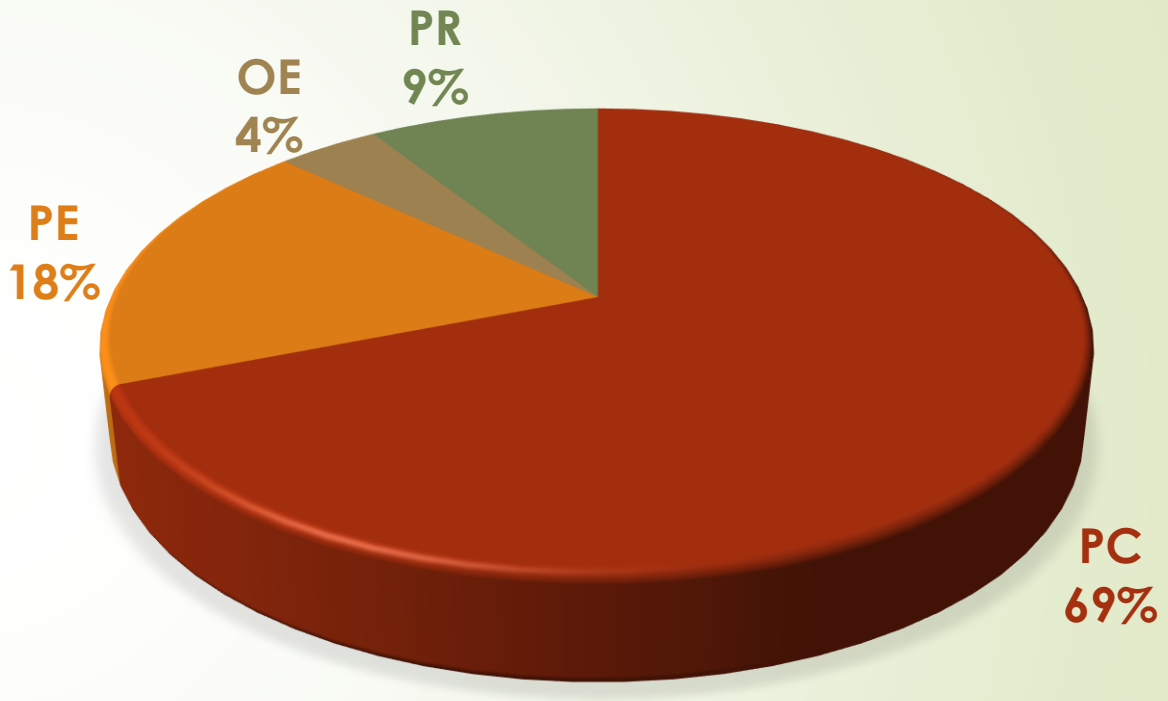


Subject Area	No. of Credits
HS	9
BS	34
ES	27
PC	71
PE	18
OE	11
EE	5
PR	12
Total	*187*

HS-Humanities & Social Science, BS-Basic Sciences, ES-Engineering Sciences, PC-Professional Core, PE-Professional Elective, EE- Employbility Enchanment , OE-Open Electives, PR-Project Works

CURRICULUM DESIGN – MBA – R2018

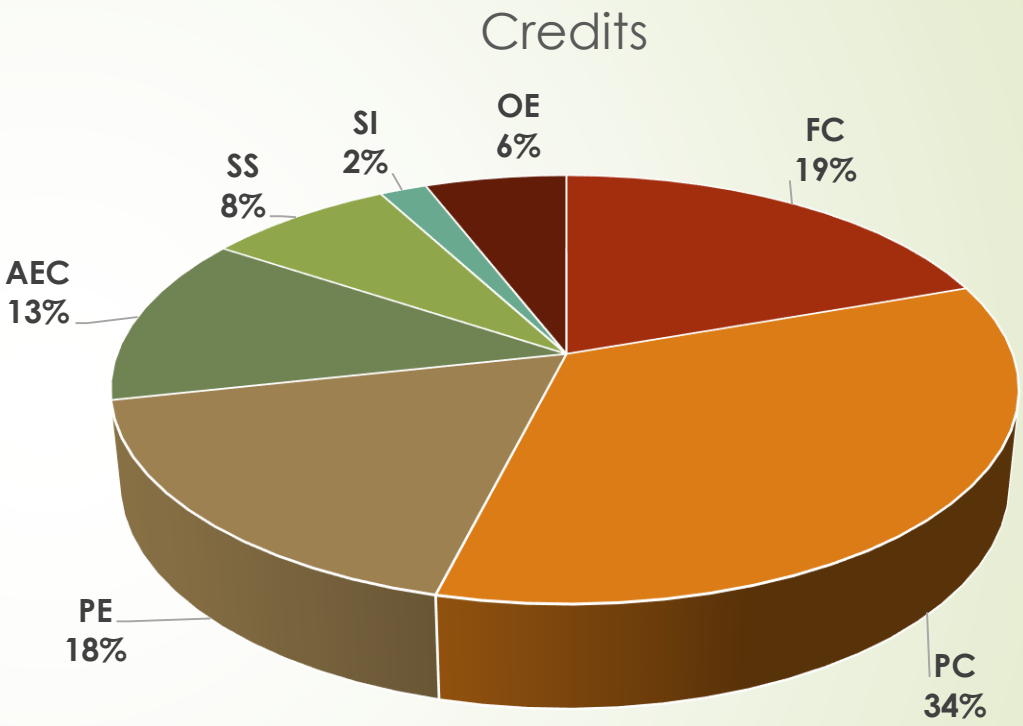
Subject Area	No. of Credits
PC	69
PE	18
OE	4
PR	9
Total	*100*



PC-Professional Core, PE-Programme Elective,
OE-Open Electives, PR-Project Works

CURRICULUM DESIGN – MBA – R2020

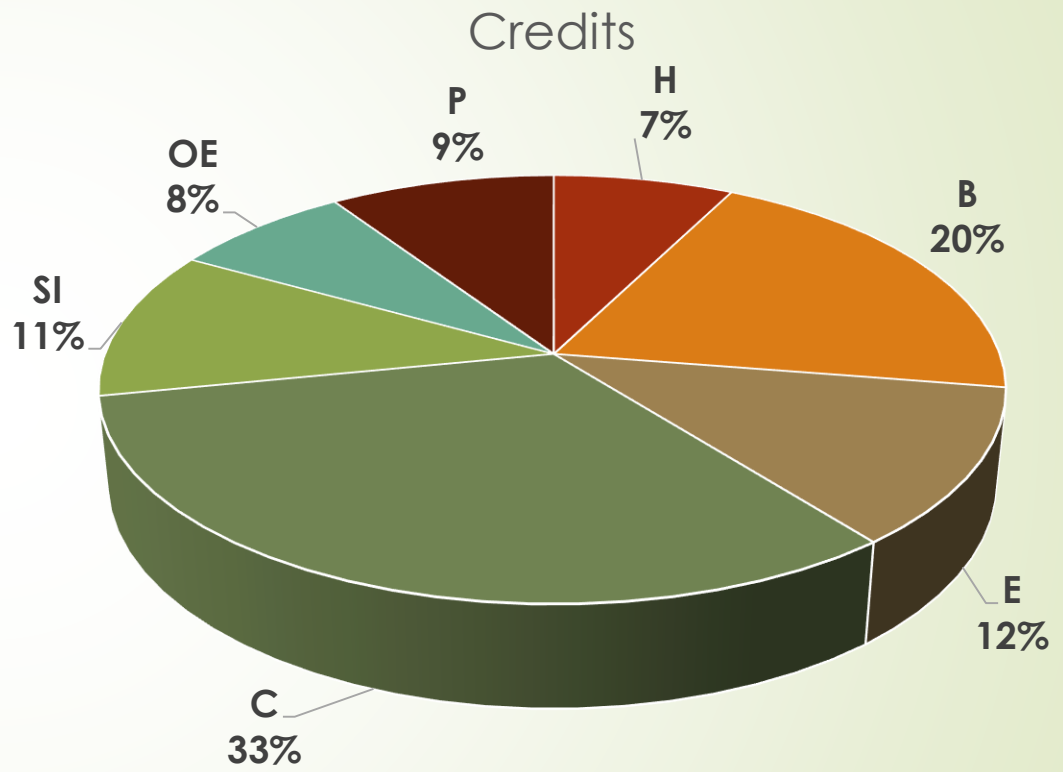
Subject Area	No. of Credits
FC	20
PC	35
PE	18
AEC	13
SS	8
SI	2
OE	6
Total	*102*



FC-Foundation Courses, PC-Professional Core, PE-Professional Electives
AEC-Ability Enhancement Courses, SS-Soft Skills, SI – Internship, OE-Open Electives

CURRICULUM DESIGN – UG(Engg.) – R2020

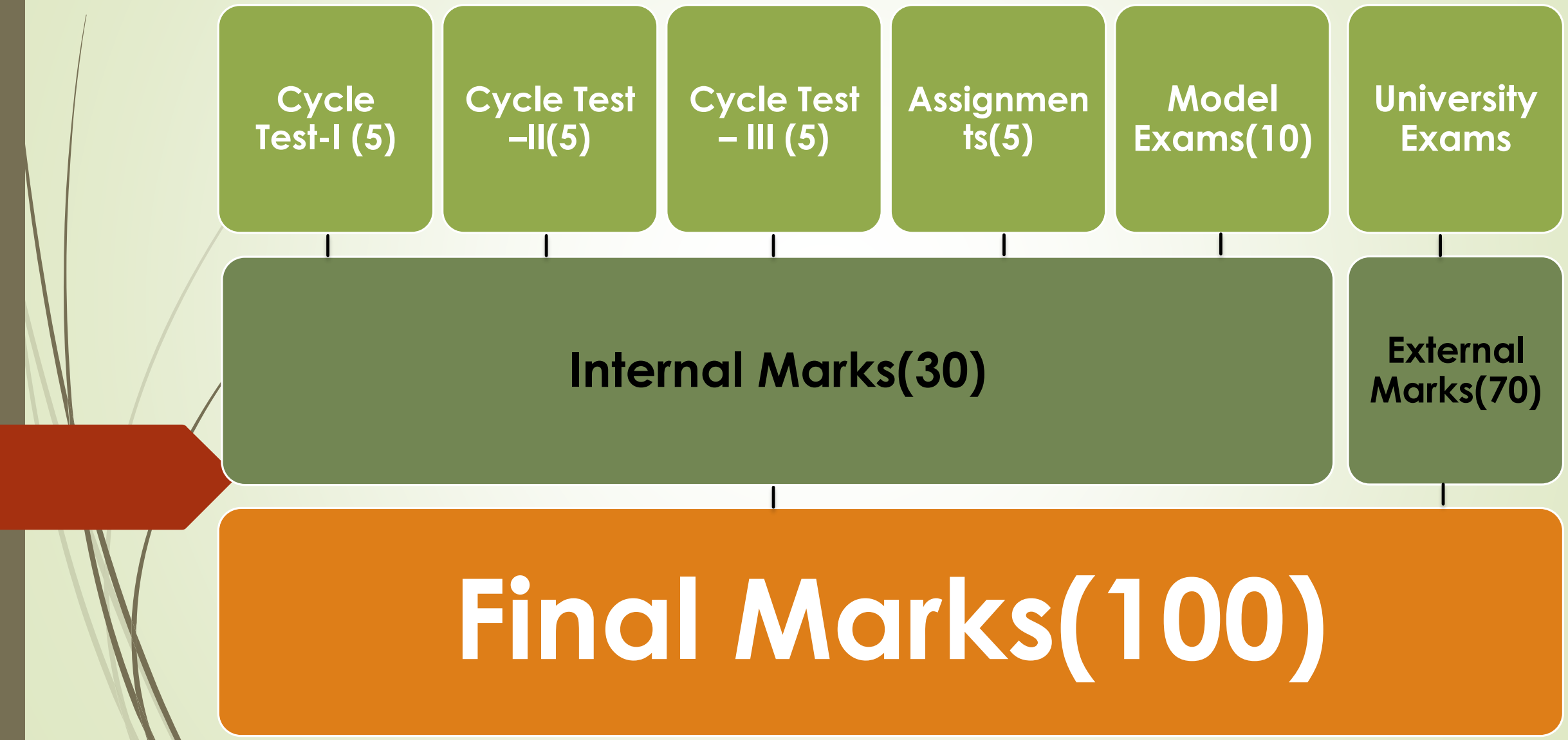
Subject Area	No. of Credits
H	12
B	32
E	19
C	52
S	18
O	12
P	15
M	0
Total	*160*



H- Humanities, B- Basic Sciences, E-Engineering Sciences, C-Professional Core,
S-Programme Specific Course, O-Open Electives, P-Project and Internship, M-Mandatory courses

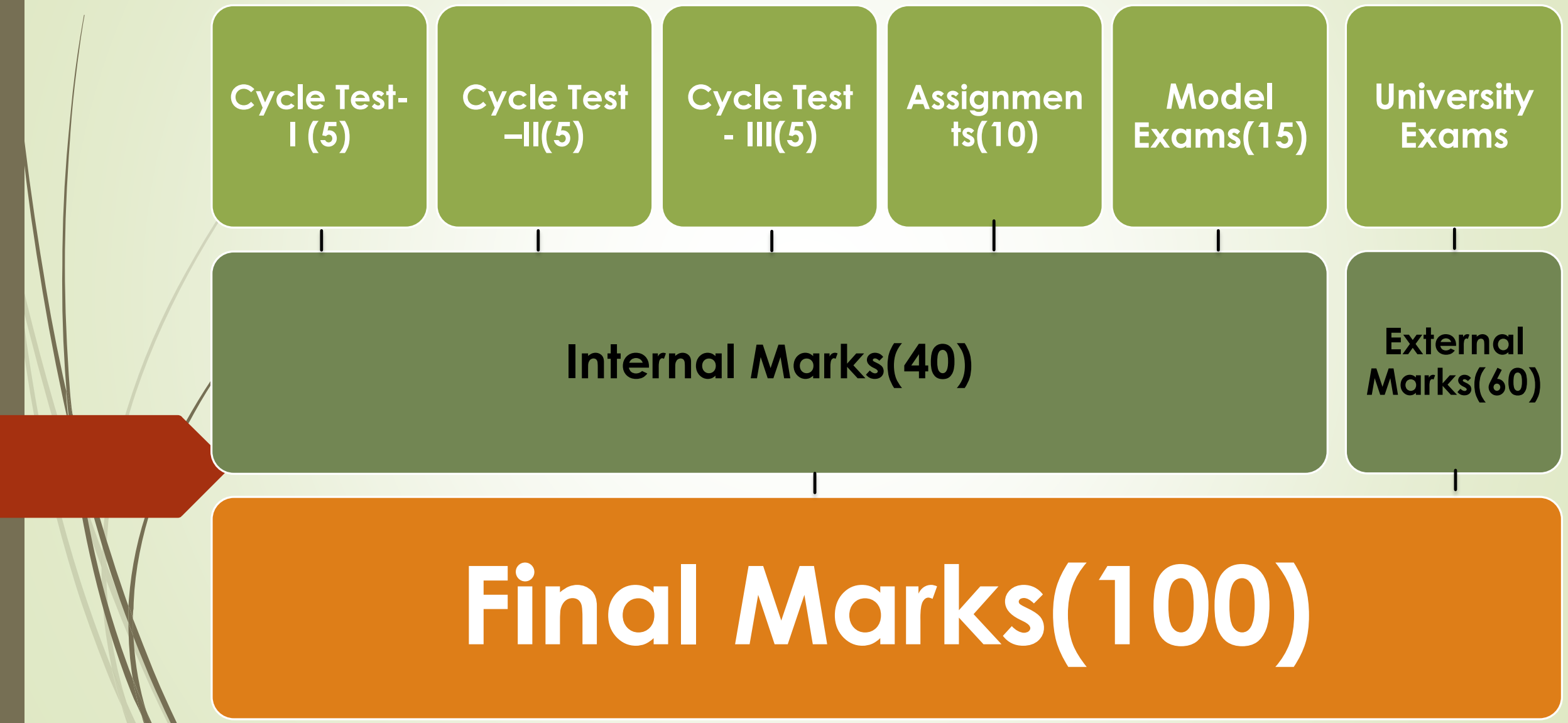
Rubrics of Evaluations System

(Theory Subjects – R2015)



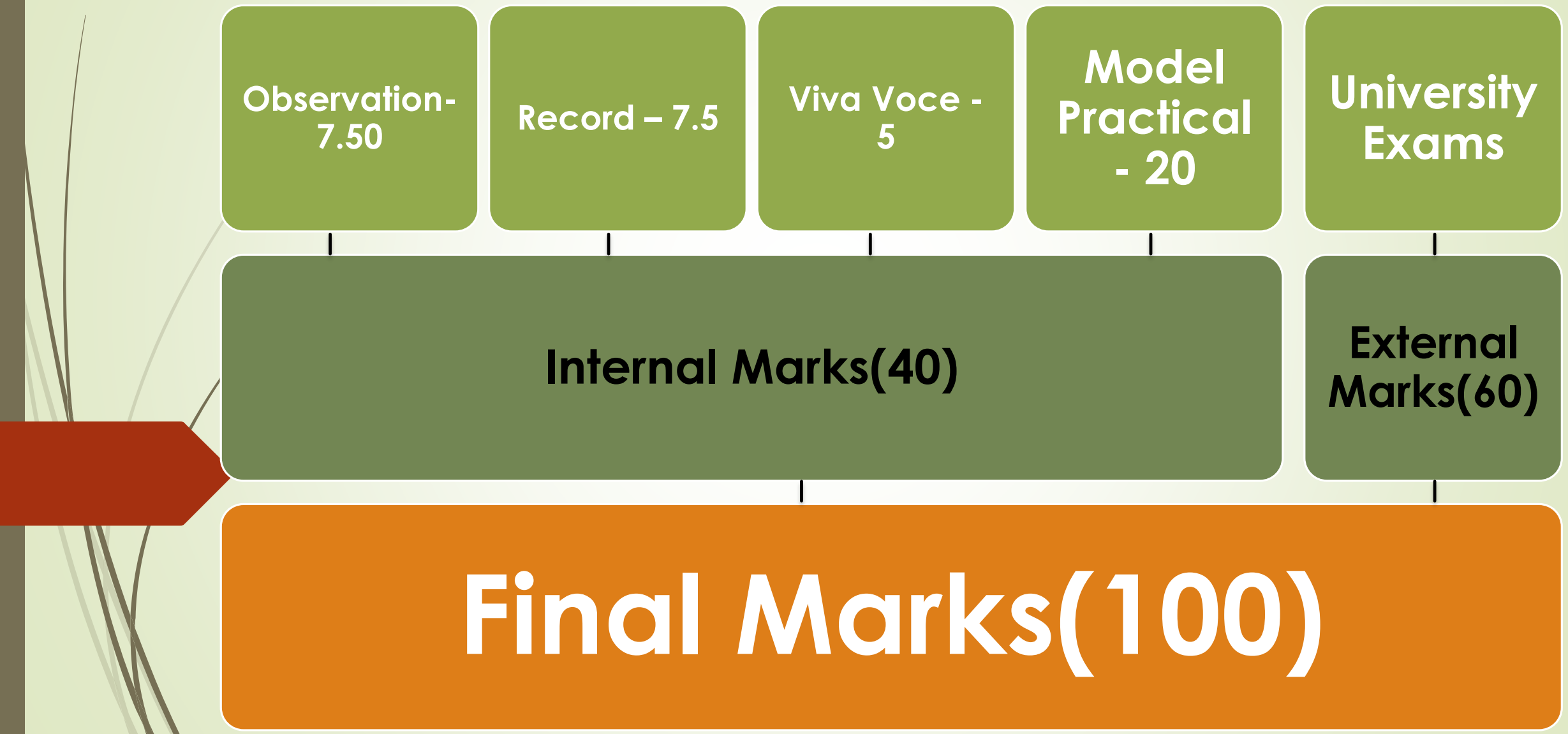
Rubrics of Evaluations System

(Theory Subjects – R2018)



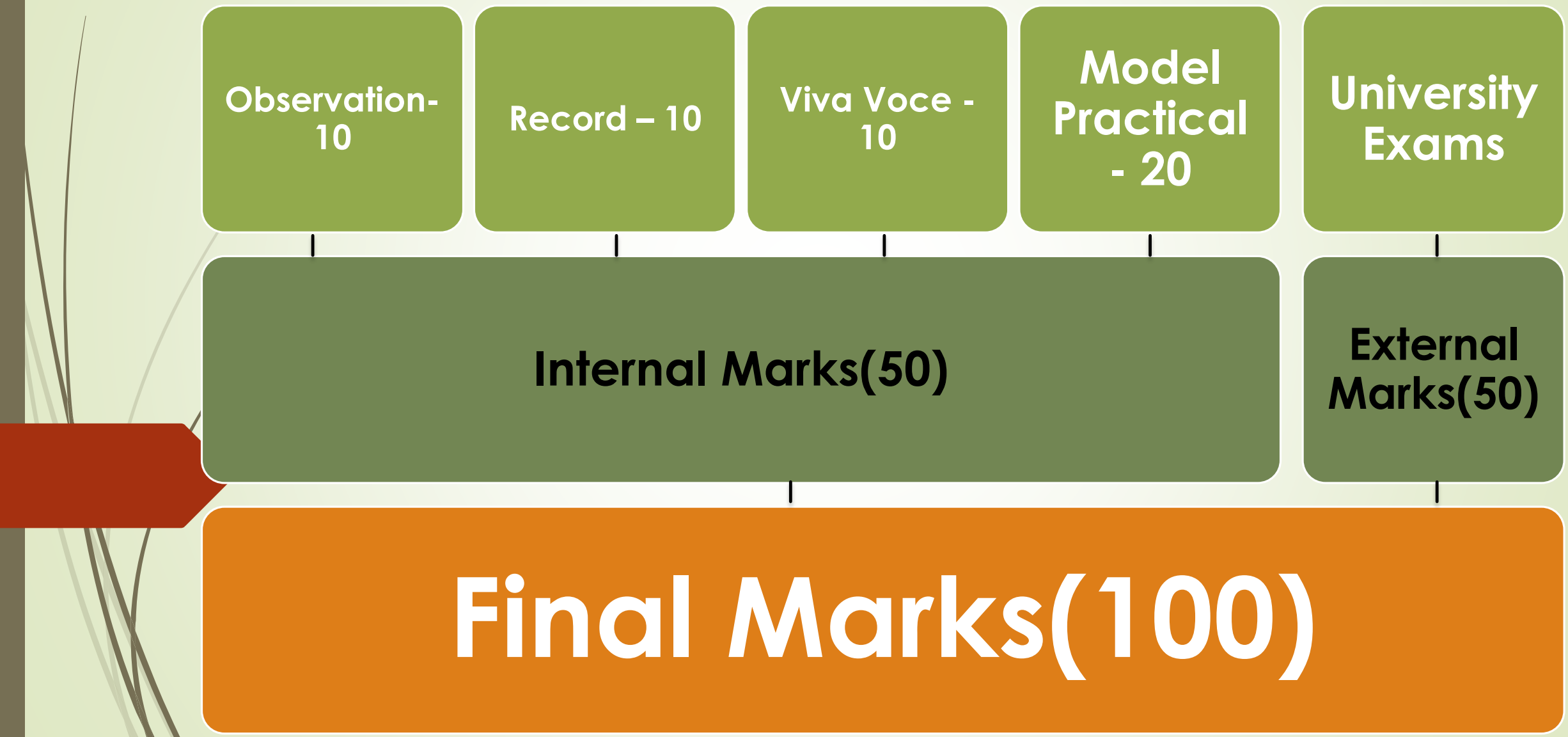
Rubrics of Evaluations System

(Practical Subjects-R2015)



Rubrics of Evaluations System

(Practical Subjects-R2018)



Rules of Pre-requisite and Co-requisite Courses

Pre-requisite courses:

Prerequisites are courses that must be taken up prior to advancing to the next course in a prescribed sequence of courses. The prerequisite courses have to be registered by the student, earned a minimum of 75% attendance and must appeared in the end semester Examination prior to advancing to the next course in a prescribed sequence of courses.

Co-requisites courses:

Co requisites are courses that must be taken at the same time as, or passed prior to, the designated course.

Rubrics of Evaluations System

(Capstone Courses-Projects-R2015)

Continuous Assessment 40 Marks			
Review I (20 Marks)		Review II (20 Marks)	
Review Committee	Guide	Review Committee	Guide
14	6	14	6

End Semester Examination 60 Marks		
Report Evaluation	Viva – Voce	
External Examiner	External Examiner	Internal Examiner
20	20	20

Rubrics of Evaluations System

(Capstone Courses-Projects-R2018)

Continuous Assessment 50 Marks			
Review I (25 Marks)		Review II (25 Marks)	
Review Committee	Guide	Review Committee	Guide
20	5	20	5

End Semester Examination 50 Marks		
Report Evaluation	Viva – Voce	
External Examiner	External Examiner	Internal Examiner
20	20	10

Project Assessment Rubrics
(Institution-wide)

Goal: Formulate and compete a project that addresses a combination of social, humanities, and technical issues

Course Outcomes:

1. **Demonstrate an understanding of the project's technical, social and humanistic context**
2. **Define clear, achievable goals and objectives for the project.**
3. **Select and implement a sound approach to solving an interdisciplinary problem**
4. **Analyze and synthesize results from social, humanistic, technical or other perspectives, as appropriate**

Rubrics of Evaluations System

(Capstone Courses-Seminars)

Continuous Assessment 100 Marks					
Seminar- I (50 Marks)			Seminar -II (50 Marks)		
Seminar Paper/Report	Presentation	Questioning	Seminar Paper/Report	Presentation	Questioning
20	20	10	20	20	10

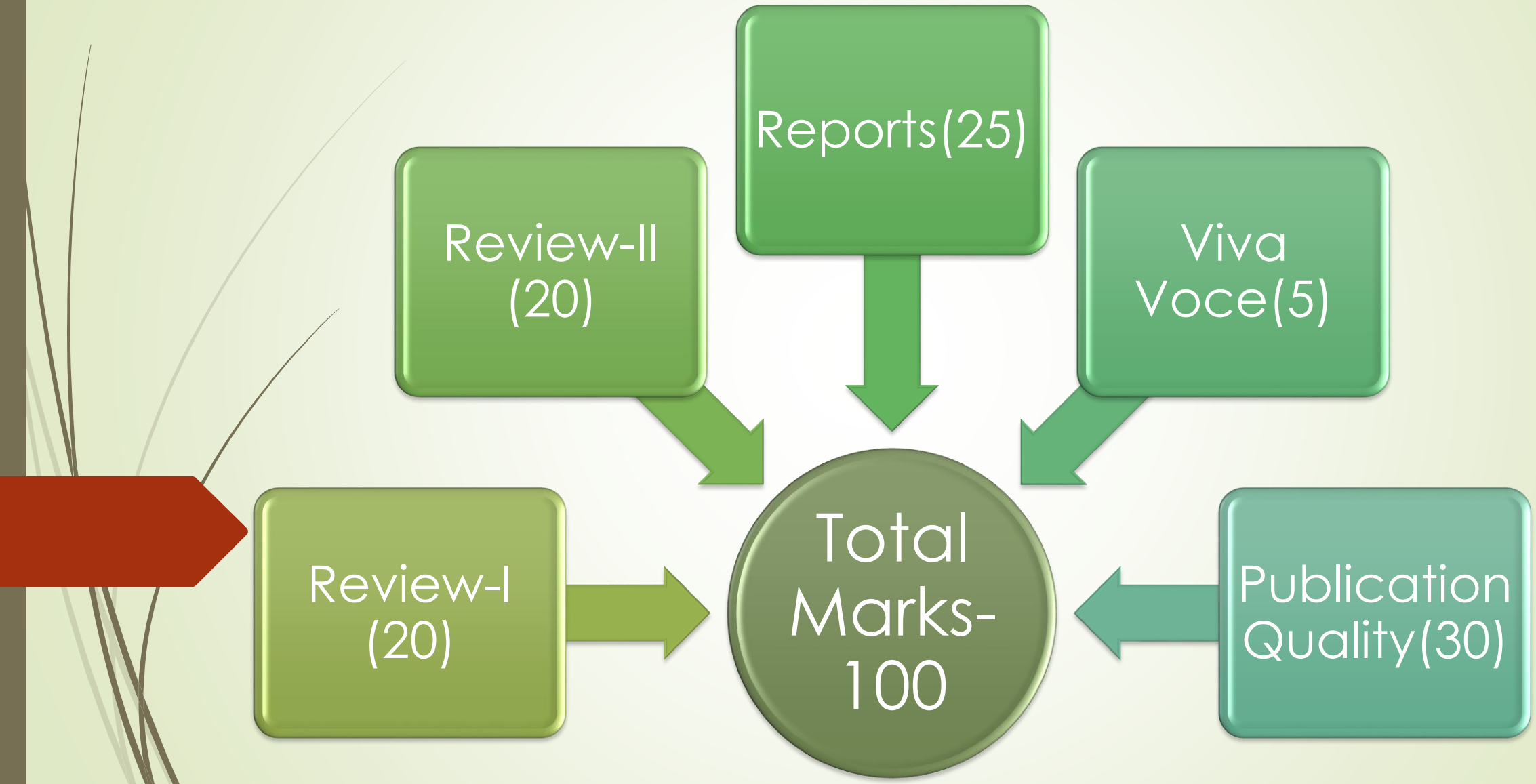
Rubrics of Evaluations System

(End Semester Exams-R2015 & R2018)

Syllabus Coverage	Duration of the Exam in Hours	Question Pattern
Full Syllabus	**3**	**Part – A, 10x2 = 20** Short answer Type, 10 questions each carrying 2 marks. 2 questions from each unit. **Part – B, 5x6 = 30** Para /Analytical Type, 5 questions, one from each unit EITHER - OR type. **Part – C, 5x10 = 50** Essay/Design/Analytical Type
		Max mark = 100

Rubrics of Evaluations System

(Capstone Courses-Term Papers)



Challenge of Evaluation

If one is not satisfied with the result, can make an appeal to the Controller of Exams for the review of answer scripts after paying the prescribed fee within 7 days after the declaration of the examination result.

Grading System-R2015

Mark Range	Grade	Points	Results
90-100	S	10	PASS
80-89	A	9	PASS
70-79	B	8	PASS
60-69	C	7	PASS
55-59	D	6	PASS
50-54	E	5	PASS
0-49	U	-	REAPPEAR
W	W	-	WITHDRAWN
I	I	-	INCOMPLETE

$$GPA = \frac{\sum_i (C_i GP_i)}{\sum_i C_i}$$

Grading System-R2018

Mark Range	Grade	Points	Results
91-100	O	10	Outstanding
81-90	A+	9	Excellent
71-80	A	8	Very Good
61-70	B+	7	Good
50-60	B	6	Average
<50	RA	5	Re-Appear
-	SA	-	Shortage of Attendance
-	W	-	WITHDRAWN
-	AB	-	Absent

$$GPA = \frac{\sum_i (C_i GP_i)}{\sum_i C_i}$$

EVALUATION & ASSESSMENT OF PERFORMANCE

- Continuous Assessment and Transparent evaluation
- External examiners for Project assessments
- Result passing board to overall monitoring of results / grades
- Mechanism to Review answer scripts by students
- Course wise result analysis
- Cumulative Grade Points Average (CGPA) on a 10 point scale
- Online announcement of Results
- Academic Performance update to Parents

ELIGIBILITY FOR THE AWARD OF THE DEGREE

A student shall be declared to be eligible for the award of the B.Tech Degree provided the student has

- Successfully completed the course requirement and has passed all the prescribed examinations in all the 8 semesters (6 semesters for lateral entry and Bridge courses) within a maximum period of 7 years (6 years for lateral entry) reckoned from the commencement of the first semester to which the candidate was admitted.
- No disciplinary action is pending against him/her.
- The award of the degree must be approved by the Board of Management of the University.

CLASSIFICATION OF THE DEGREE AWARDED

First class with distinction

- A candidate who qualifies for the award of the degree having passed examination in all the courses of all the eight semesters (six semesters in the case of lateral entry) in his/her First Appearance within eight consecutive semesters (six for lateral entry) securing a CGPA of not less than 8.0

First Class

- A candidate who qualifies for the award of the degree having passed the examination in all the courses in eight semesters (all the six semesters for lateral entry) within a maximum period of eight consecutive semesters after his/her commencement of study in the third semester (from first semester for lateral entry) securing a CGPA of not less than 6.50

Second Class

- All other candidates passed the examination

BREAK OF STUDY FROM A PROGRAMME

- A candidate is not normally permitted to temporarily break the study. However, if a candidate intends to temporarily discontinue the Programme in the middle of the semester for valid reasons (such as accident or hospitalization due to prolonged ill health) and to rejoin the Programme in a later semester he / she apply to the Head of the Institution in advance, in any case, not later than the last date for registering for the semester in question, through the Head of the Department stating the reasons thereof.
- The candidates permitted to rejoin the Programme after break of study shall be governed by the rules and regulation in force at the time of rejoining.
- The duration specified for passing all the courses for the purpose of classification shall be increased by the period of such break of study permitted.

BREAK OF STUDY FROM A PROGRAMME

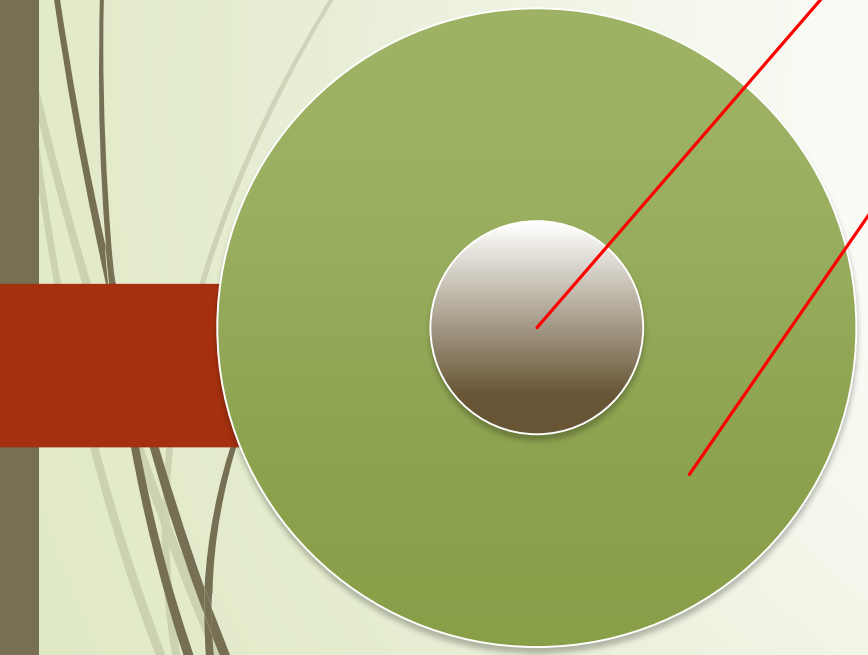
- The total period for completion of the Programme reckoned from, the commencement of the first semester to which the candidate was admitted shall not exceed the maximum period specified irrespective of the period of break of study in order that he/she may be eligible for the award of the degree.
- If any student is detained for want of required attendance, progress and good conduct, the period spent in that semester shall be considered as permitted 'Break of study'.

BEST PRACTICES

STUDENT PROGRESSION & SUPPORT

STUDENTS ADVISORY SUPPORTS

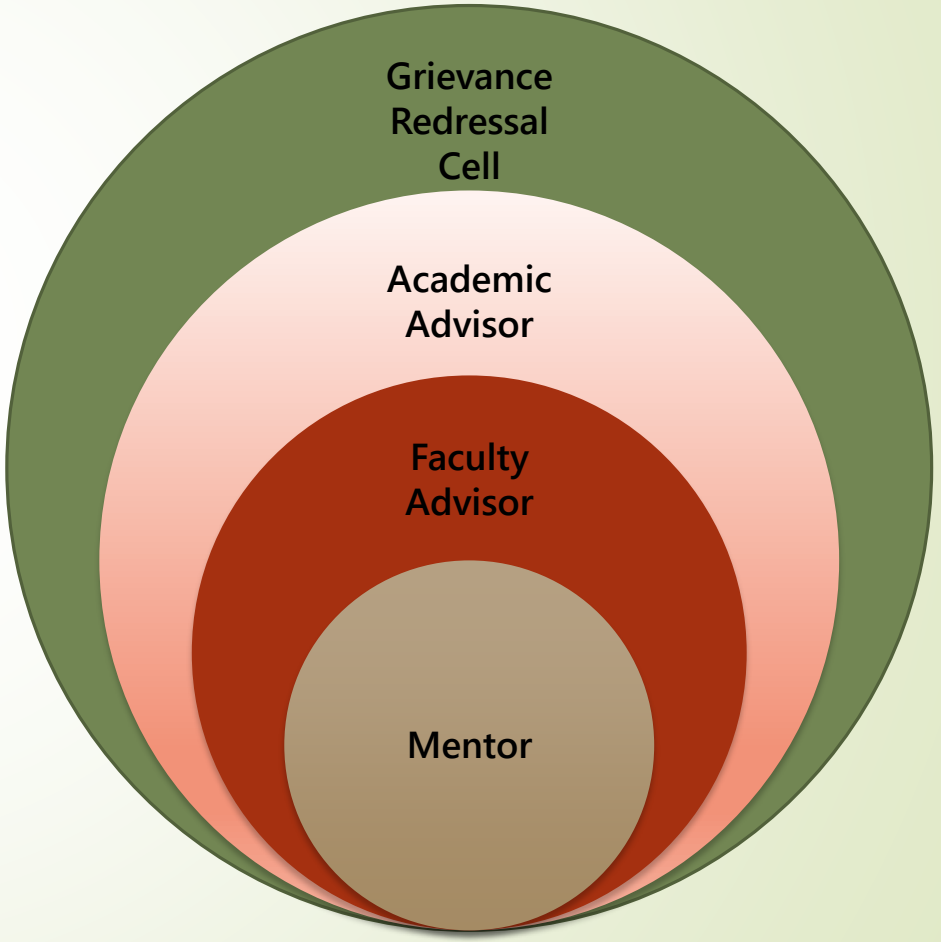
ADVISORY COMMITTEE



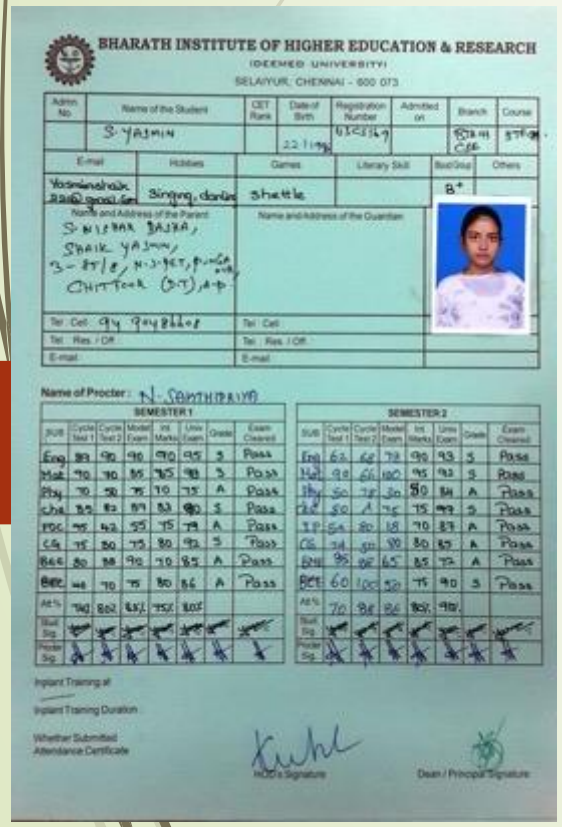
Course Level committee

Class committee

- STUDENT ADVISORY STRUCTURE



MONITORING & MENTORING SYSTEMS



BHARATH INSTITUTE OF HIGHER EDUCATION & RESEARCH

(DEEMED UNIVERSITY)

SELAIYUR, CHENNAI - 600 073

- ✓*A group of 20 to 25 Students are assigned to a Mentor to monitor and Counsel*
- ✓*Mentors of Students are monitoring in Academic and Personal Matters*
- ✓*Mentors are Guiding and Counselling the Students*
- ✓*Extra Classes for Advanced Learners*
- ✓*Special Class for Slow Learners*
- ✓*Motivating them for their future development*

FACULTY ADVISOR

- ✓To monitor student academic performance and its implications on planning their courses of study and for providing general advice on the academic Programme, the concerned School/Department will assign for every 60 to 70 students a faculty member who will be called the **Faculty Adviser**

ACADEMIC ADVISOR

- To either assist the student in career planning or to refer student to campus resources for such assistance.
- To be knowledgeable about the program(s) for which he/she is advising and be familiar with published academic rules and regulations of the University
- To inform the student of degree requirements.
- To communicate and emphasize the student's responsibility for satisfying degree requirements in terms of credit earnings and pre-requisites.
- To approve the course registration of the student at the department level
- To consider and approve the application for adding / dropping / auditing of courses
- To guide the students while applying for readmission / transfer etc.
- To help student plan a suitable schedule of classes, at least one semester in advance.

STUDENTS PROFESSIONAL SOCITIES & ACTIVITES

Aero	• Indian Concrete Institute-Students Chapters
Auto	• SAE INDIA – Collegiate Club
CSE	• IEEE Aerospace & Electronic Systems Society – Students Chapter • IEEE Signal Processing Society – Students Chapter
MBA	• IEEE Power Electronics Society – Students Chapter

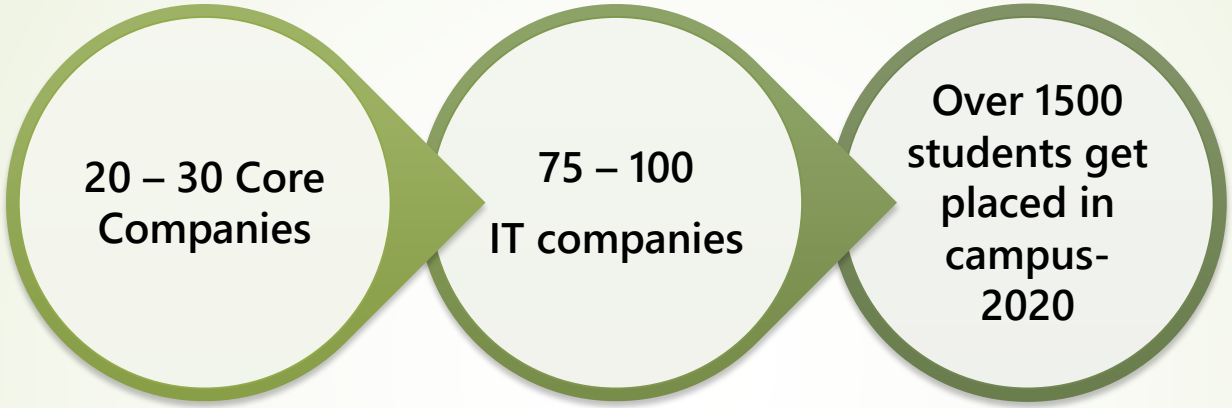
AERONAUTICAL SOCIETY OF INDIA

SAEINDIA
Society of Automotive Engineers INDIA

COMPUTER SOCIETY OF INDIA
ESTD. 1965
सर्वे भवन्तु सुखिनः

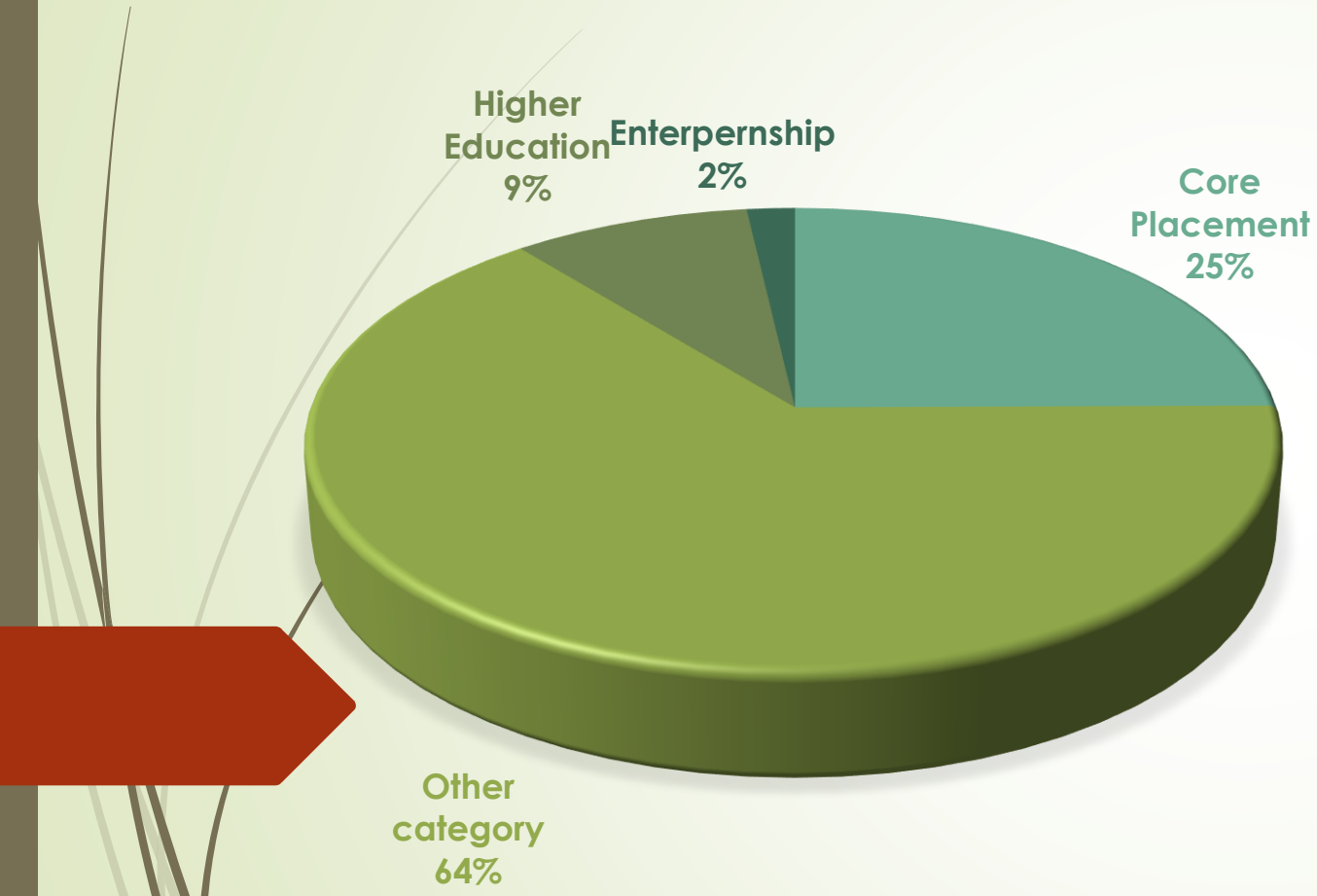
AIMA
ALL INDIA MANAGEMENT ASSOCIATION

CAMPUS PLACEMENT(2020-21)



- Personality Development Courses
- Tailor made training modules
- Mock Tests and Interviews

Placement Statistics-2020-21 (in %)



Total no. of students Enrolled	2380
Total no. of students Graduated	2237
Core Placement	437
Other category	1129
Higher Education	159
Entrepreneurship	32

Some of Recruiters

INFRASTRUCTURE SUPPORT

LAW
LAW

Bharath

Sports and Games facilities

- Basket Ball
- Volley Ball
- Foot Ball
- Throw Ball
- Cricket
- Table Tennis
- Badminton
- Chess
- Carom
- Athletes

Sports and Games facilities

Differently-able Students

Differently-able Students

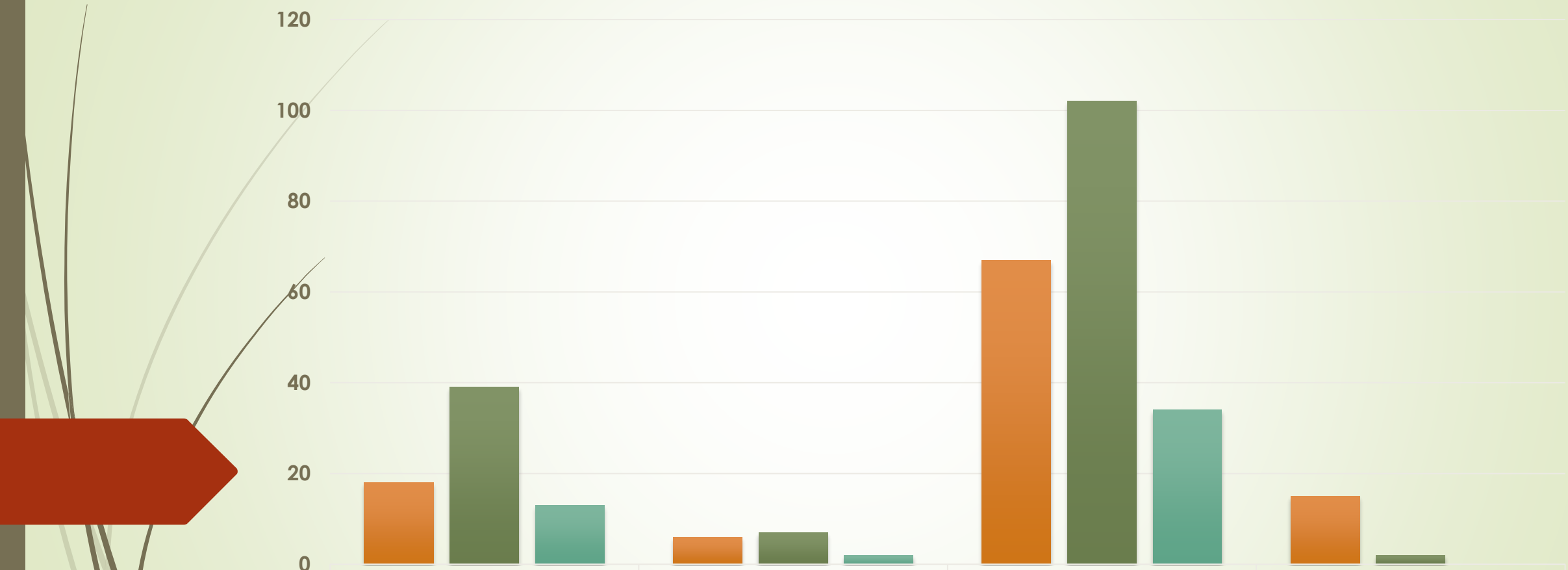
- By paying special attention through providing convenient hostel accommodation,
- Fees concession
- Library facilities,
- convenient seating arrangement
- separate seating arrangement during Examinations.

Library resources

Details	Print			Avg. No of Books added during last 3 years	NON Print (Microfiche, AV)	Electronics(e-books, e-journals)	Special Collections(text books, reference books)
	Books	Back Vol.	Thesis				
BIST	3,66,501	2073	10264	15000	5697	E-Books-1544310 E-Journals-8480+	Reference books:69,482 Book Banks:3610

HUMAN RESOURCE DEVELOPMENT

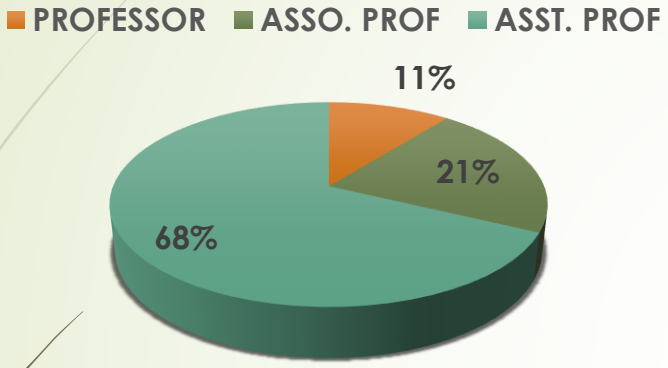
Teachers Quality (Qualification)



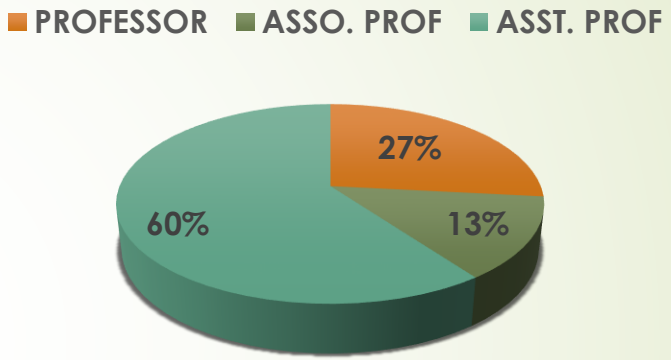
	Aero	Auto	CSE	MBA
PhD	18	6	67	15
Pursuing PhD	39	7	102	2
Master Degree	13	2	34	0

Teachers Quality (Designation)

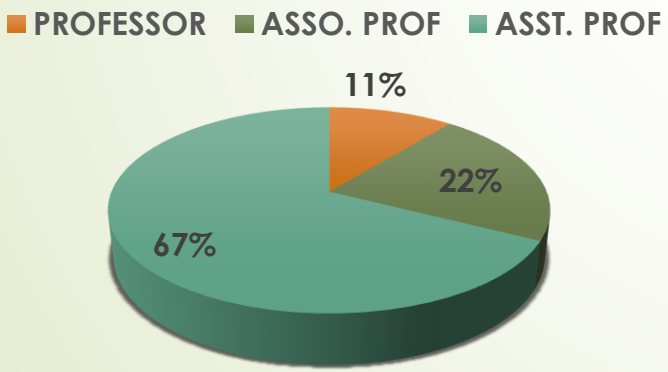
Aero



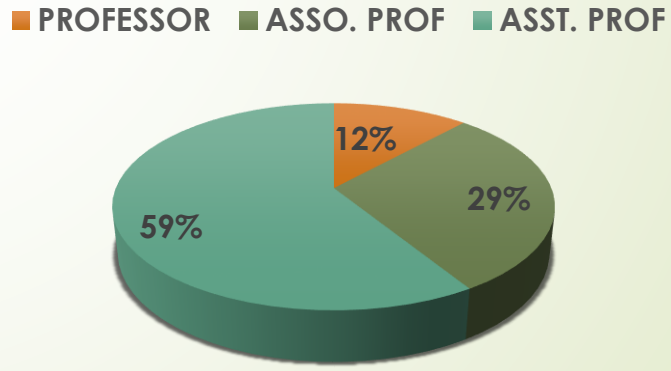
Auto



CSE



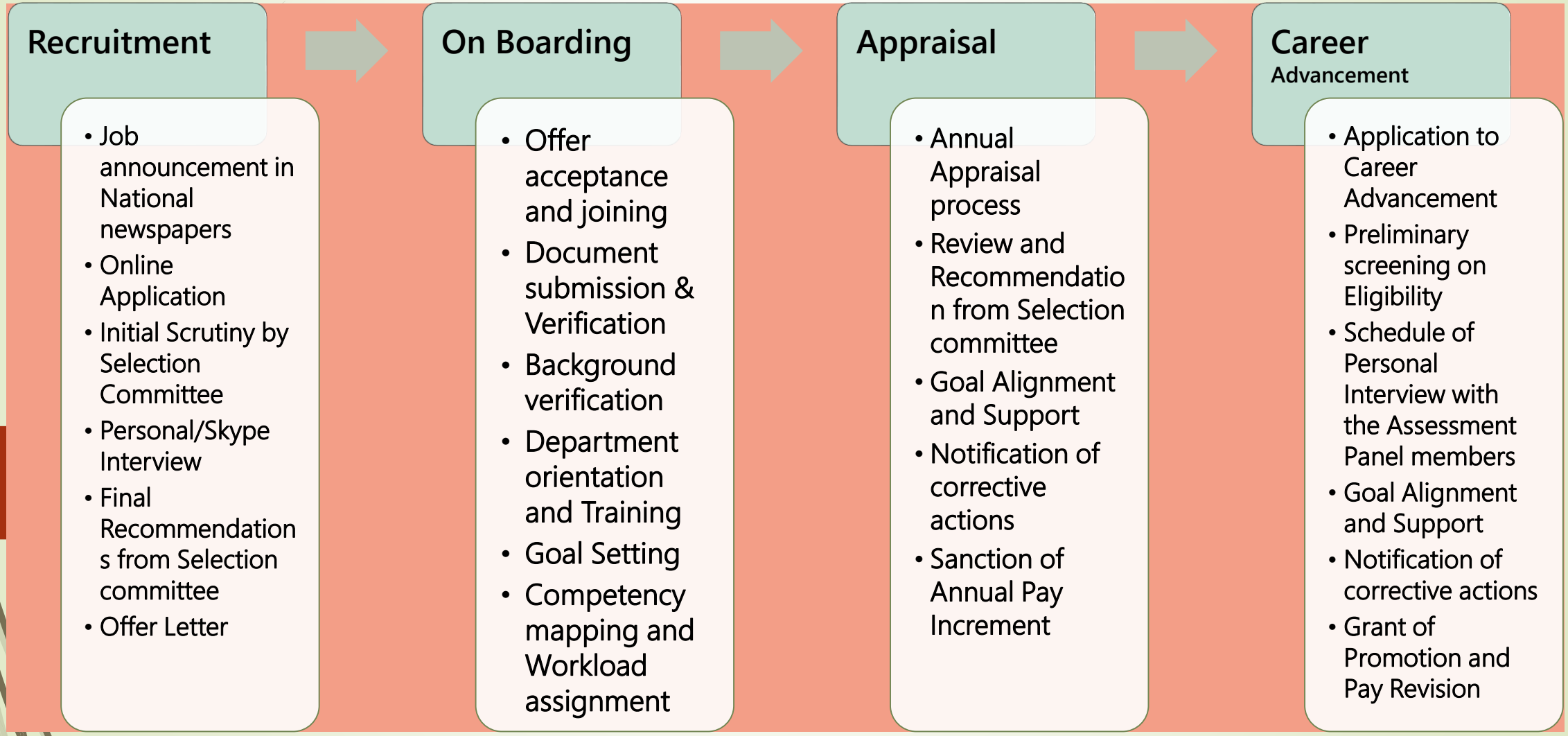
MBA



Teachers Quality
(Research Contribution-Last 5 years)

Department	Aero	Auto	CSE	MBA
Research publications	529	512	1432	464
International conferences	135	129	887	161
National Conference	347	267	1128	387
Seminars	459	402	1364	451
Patents	12	28	66	14

RECRUITMENT & CAREER ADVANCEMENT



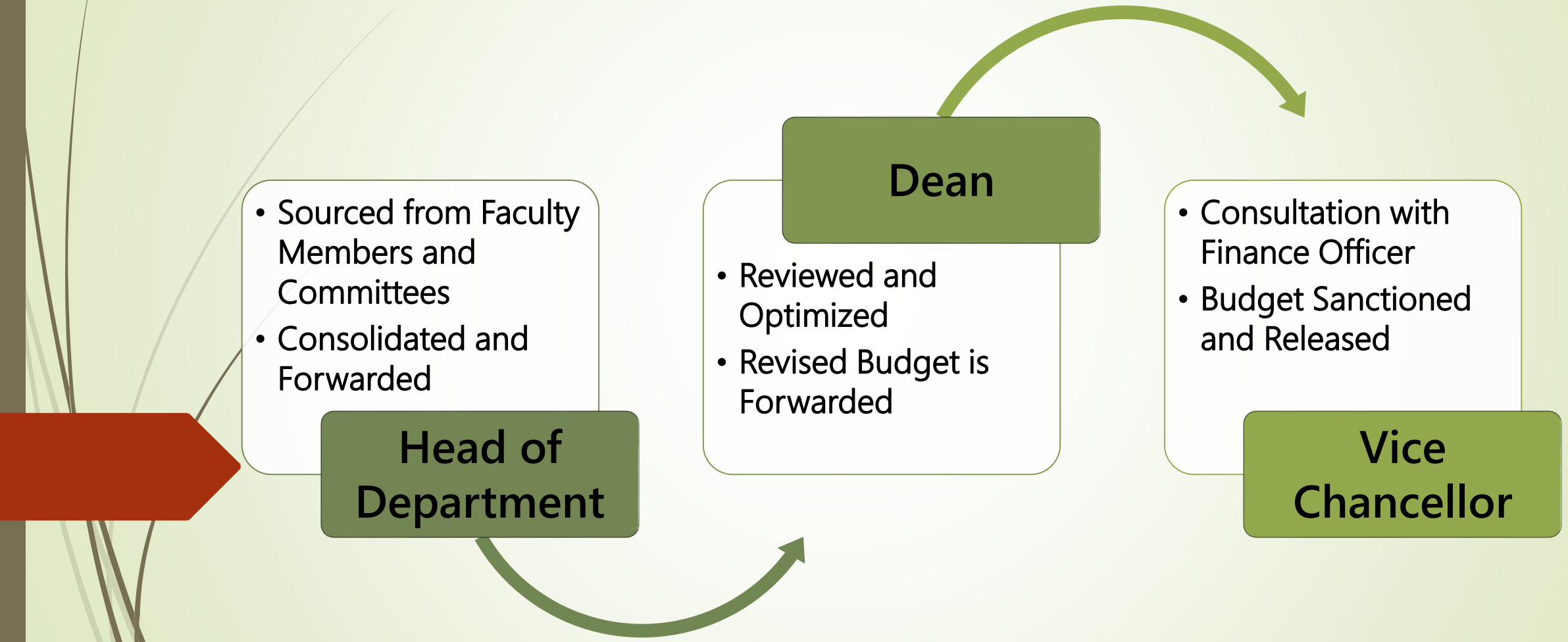
INCENTIVES & HR COVER

Incentives	HR Cover
✦ Funding for attending International Conferences ✦ Incentives for Research Publications on reputed journals ✦ Research grant for Pilot projects ✦ Equity on Consultancy projects	✦ Group Insurance cover ✦ Medical Insurance ✦ Employment Provident Fund ✦ Free Transport ✦ Annual Vacation ✦ Flexible Work timing ✦ Concession for Medical treatments in Balaji Hospital ✦ Fee concession for wards of employees in Bharath Group of Institutions based on their terms of service

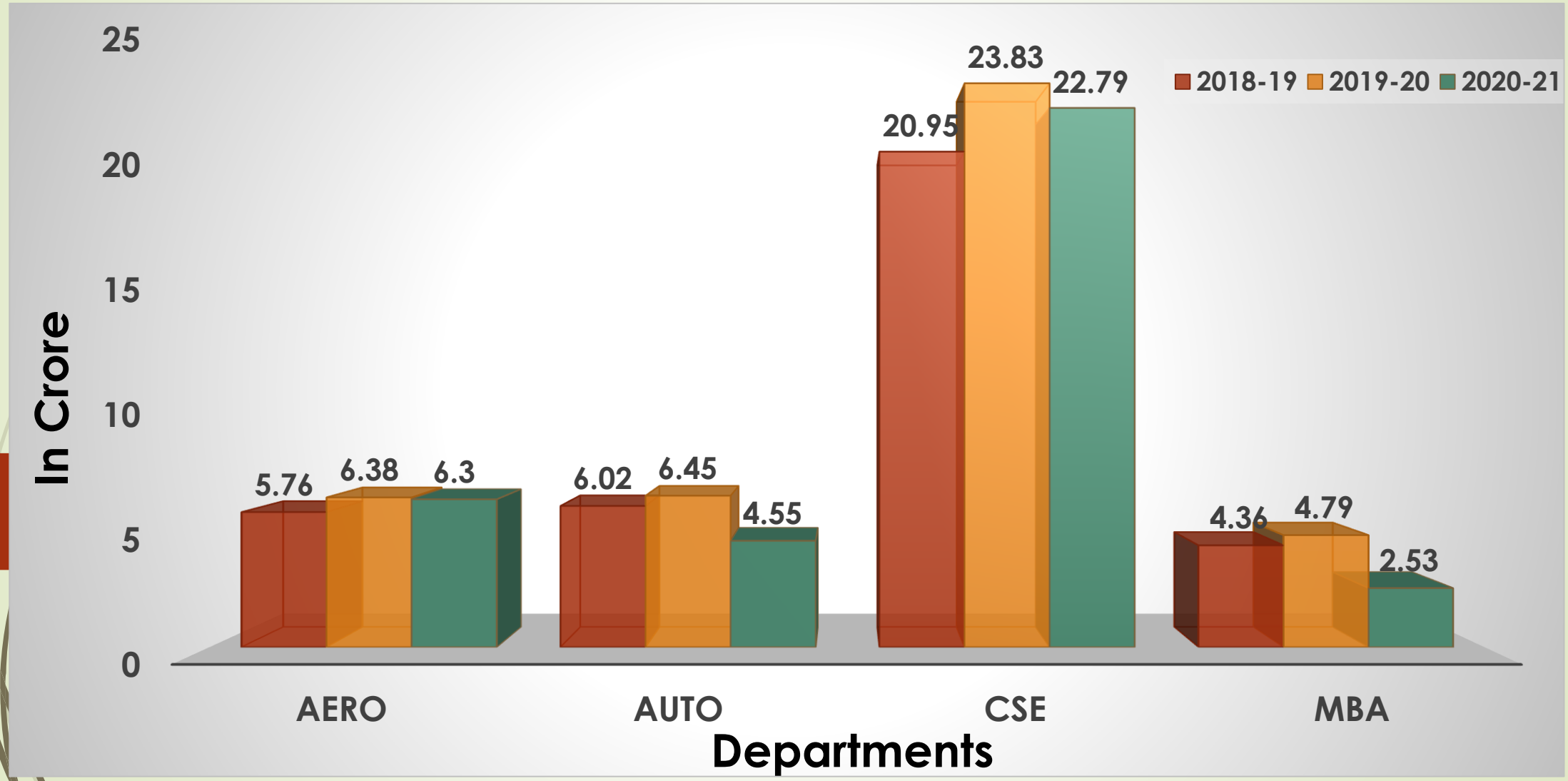
Staff Welfare Measures

- Medical Insurance Scheme for all staff
- Financial support to Faculty's family marriages
- Maternity and Paternal leave for faculty members with salary
- Free medical treatment for faculty members and their dependents.
- Solatium to faculty members and families in case of calamities/accidents.
- Educational support to the children of the faculty members.
- Interest free housing loan for staff members
- Retirement benefits to staff who have served for more than 20 years.
- Promotions are based on experience, performance and research contributions as per UGC guidelines
- Free Transport for faculty for transport to campus

BUDGET PLANNING & ALLOCATION

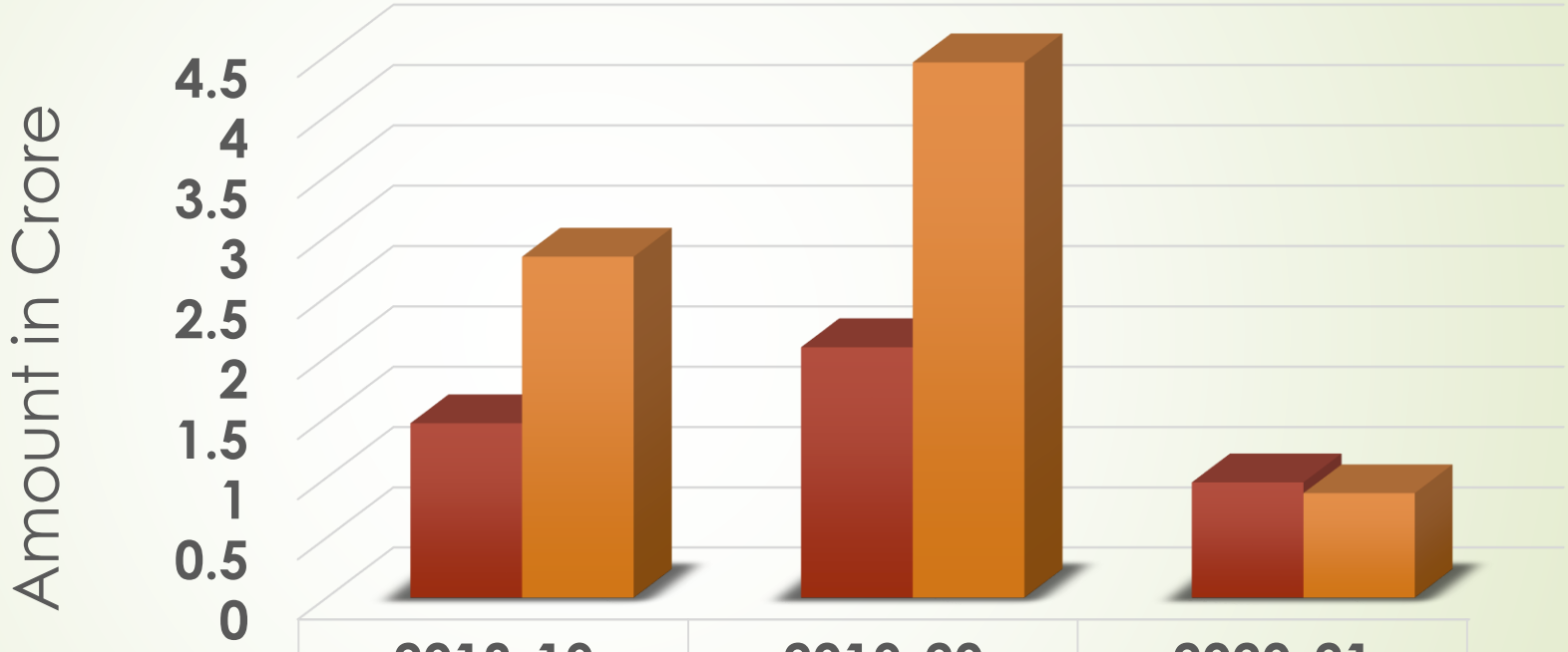


BUDGETARY SUPPORT



FINANCIAL SUPPORT

Financial assistance provided to Faculty Members



	2018-19	2019-20	2020-21
Attending Conference	1.45	2.08	0.96
Travel Support	2.83	4.44	0.87

SPECIAL FEATURES

BIHER NCC UNIT

COASTAL CLEAN UP

SAFETY MEASURES

- Warning signboards
- Round the clock Security patrolling
- In-house security system
- Electronic surveillance
- Emergency Helpline numbers
- Entry / exit in hostels monitored
- Ambulance facilities
- Mock Fire Drills in High Rise Buildings
- Automatic fire extinguishing system in multistory buildings
- Road shows and workshops on student safety by government agencies

ENVIRONMENTAL CONSIOUSNESS

- Solar Power Panels for Energy Management
- Solar Concentrator for Hostel Cooking Purposes
- Rain Water Storage Management System
- Solid Waste Management through Vermi Compost Production for Nursery
- Waste Water Recycling

Future plans for starting new courses

- ✓ BIHER strives to promote interdisciplinary learning with 12 different disciplines such as Health economics, Data sciences, Theology, Music, Liberal Arts etc.,
- ✓ 50% of BIHER's programs will be interdisciplinary by 2025, 75% in 2030 and 100% by 2035 – Tuned as per the needs of National & International Importance.

2022 - 2027		2027 - 2032		2032 - 2037	
UG	PG	UG	PG	UG	PG
Aerospace Engineering (Computational Intelligence)	Aircraft Propulsion & Power Systems	Acoustics Engineering	Architectural Acoustics	Computational Mathematical Technology	Scientific Computing
Natural Gas & pipe lining Engineering	Ocean Technologies	Petro Informatics	Energy Sciences Engineering	Semiconductor Process Engineering	Bio-inspired Robotics Engineering
Informatics & Drug Design	Composite Fluid Structure Engineering	Creative Intelligence & Innovation Technologies	Forensic Security	Gravitational Sciences & Engineering	Engineering System Design
Engineering Science & Mechanics	Materials Engineering	Smart Connected Autonomous Vehicle Engineering	Unmanned Aircraft Systems Engineering	Quantum Engineering	Membrane Technology
Nuclear & Radiological Engineering	Oil Drilling & Ocean Technologies.	Alternate Energy Engineering	Green Engineering Technology	Photonics Engineering	Optical Signals, Devices, and System
Occupational Therapy	Sports Medicine Modular Genetics	Optometry	Rehabilitation & Regenerative Medicine	Nano Medicine	Oncology (Medical & Surgical), Informatics
Speech & Hearing Language Program	Palliative Medicine Emergency & Trauma Care	Clinical Nutrition Global Health & Social Medicine	Travel Medicine Transgender Medicine	Cyber Clinical Psychology	Cyber Forensics

Thank you