



EGS PILLAY

ENGINEERING COLLEGE

Nagapattinam - 611002



A WARM & HEARTY

Welcome

to

Hon'ble Chairman &
Esteemed Members of Expert Visit Team
of
NATIONAL BOARD OF ACCREDITATION (NBA)

12th September to 14th September 2025



Presented by

Dr. M. CHINNADURAI
PRINCIPAL

Outline

- Promoters
- Group Activities; Other Institutions details
- Institute Achievements/Recognitions: Institute Level, Faculty Level, Student Level
- Faculty Centric Policies & Utilization
- Student Centric Policies & Utilization
- Quality Assurance Initiative & Impact
- Curriculum & Teaching-Learning – Implementation details
- Faculty Information & Contribution Points
- Student Performance Points
- Facilities and Technical Support
- Governance, Institutional Support and Financial Resources
- Vision, Mission and Program Educational Objectives

PROMOTORS

OUR FOUNDER CHAIRMAN



- **Dr. Chev. G.S. Pillay (1930 – 2014)** born in a small village (Edayathangudy)
- Vision to provide education to underprivileged rural youth of Nagapattinam.
- Transformed Nagai as a Renowned Place of Learning.
- National holiday declared for his death by Seychelles Government

G.S.PILLAY & SONS CHARITABLE AND EDUCATIONAL TRUST



Smt. **Jothimani G.S. Pillay**
Chairman

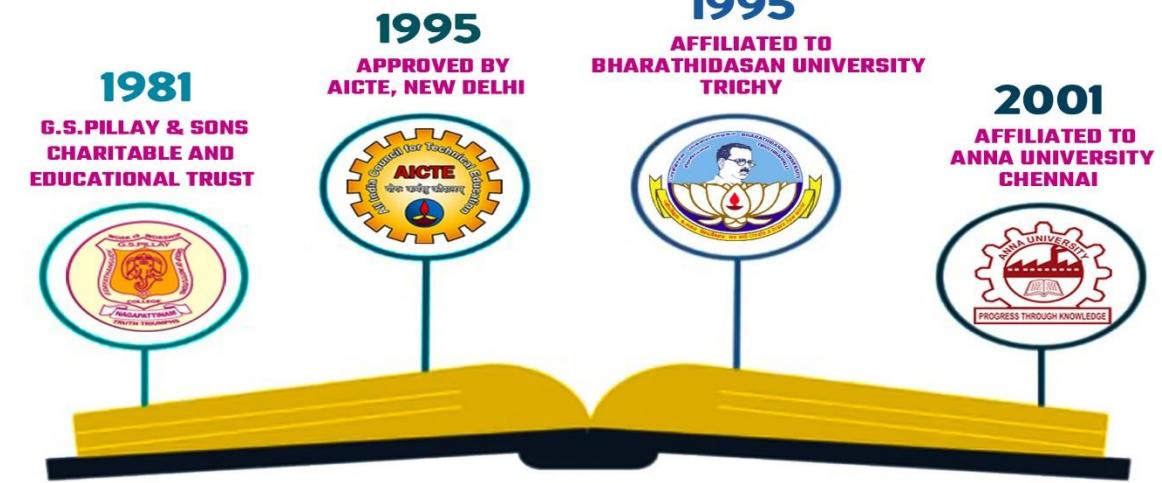
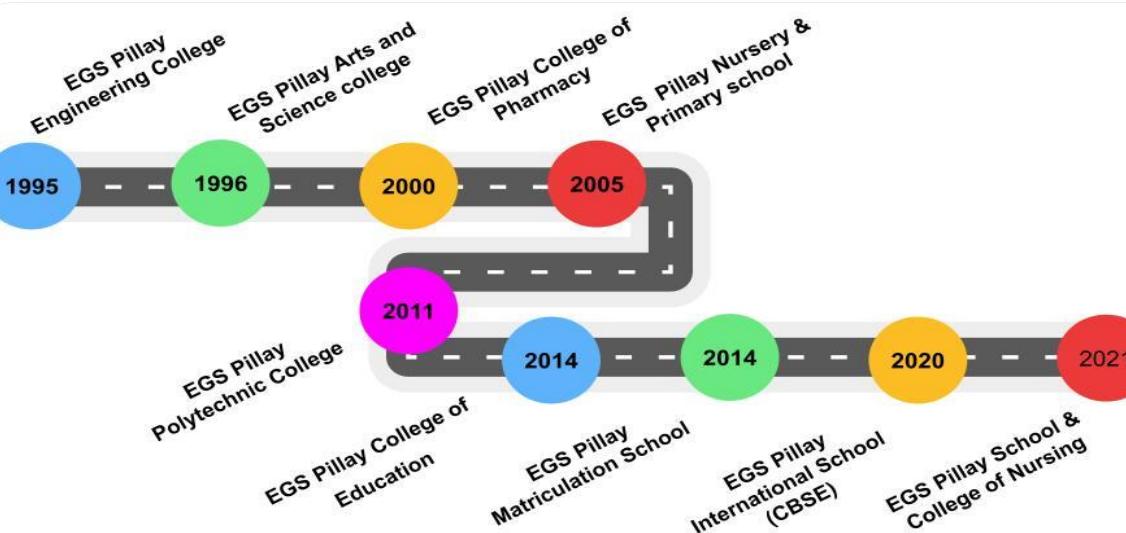
Shri. **S. Senthilkumar**
Secretary

Shri. **S. Sankar Ganesh**
Joint Secretary

Dr. S. Paramesvaran
Advisor

31st

Glorious Years in the Field of Education



PROGRAMMES OFFERED @ EGSPEC

UG

PG

Sl.No.	Name of the Programme	Sanctioned Intake	Sl.No.	Name of the Programme	Sanctioned Intake
1.	Computer Science and Engineering	180	1.	Master of Computer Applications	60
2.	Mechanical Engineering	120	2.	Master of Business Administration	120
3.	Electrical and Electronics Engineering	60	3.	M.E Computer Science and Engineering	18
4.	Electronics and Communication Engineering	120	4.	M.E Communication Systems	18
5.	Information Technology	120	5.	M.E Manufacturing Engineering	18
6.	Biomedical Engineering	60	6.	M.E Environmental Engineering	18
7.	Civil Engineering	60	7.	M.E Power Electronics and Drives	18
8.	Computer Science and Business Systems	60			
9.	Artificial Intelligence and Data Science	120			

RESEARCH PROGRAMME

All Departments are recognized Research Centers and Research Institute Recognition for pursuing Ph.D., Approved by Anna University, Chennai

INSTITUTE ACHIEVEMENTS & RECOGNITIONS



Accredited by NAAC with 'A++' Grade



NBA Accreditation

B.E. (Mech.), B.E. (EEE), B.E. (CSE): 2016 – 2019, 2019-2022 (Tier 2)

B.E. (Civil), B.E. (ECE), B.Tech. (IT): 2019 – 2022 (Tier 2)

B.E. (CSE), B.E. (ECE), B.Tech. (IT): 2022 – 2025 (Tier 1)

B.E. (Mech.), B.E. (Civil), B.E. (EEE): 2024 – 2027 (Tier 1)

B.E. (CSE), B.E. (ECE), B.Tech. (IT): 2025 – 2028 (Tier 1)



2(f) & 12(B) status from UGC, New Delhi



2018 NIRF survey – Ranked in category of 151 - 200

2022 NIRF survey – Ranked in category of 251 - 300

2024 NIRF Survey – Ranked in category of 201 – 300

2025 NIRF Survey – Ranked in category of 201 – 300



9 Programmes -Permanent Affiliation from Anna University, Chennai
MBA, MCA, ME (CSE, CS), B.E (Mech, EEE, ECE, CSE), B.Tech. (IT)



ISO 9001 : 2015 certified Institution



DSIR – SIRO Certification from 2017 - 2027



An Initiative of
Ministry of Education
Under the National Mission on Education through ICT

Dr. A. ARUN THAMBURAJ, I.A.S.
District Collector



Collector's Office,
Nagapattinam – 611 003
Tel : 04365-252500, 252700 (O)
247800 (R)
Mobile : 94441 76000
Fax : 04365-253048 (O), 247800 (R)
Email : collrngp@nic.in
website : www.nagapattinam.nic.in

To
The Secretary
G.S. Pillay & Sons Charitable and Educational Trust,
Nagapattinam.

We would like to thank and appreciate the efforts of **G.S. Pillay & Sons Charitable and Educational Institutions** which has established Engineering, Arts and Science, Polytechnic and other educational institutions in Nagapattinam, through which it has been a great source of support to Nagapattinam District Administration over the years. **G.S. Pillay & Sons Charitable and Educational Institutions** has been supporting district administration in numerous areas for the development and upliftment of the people of Nagapattinam to name a few. They are providing free Auditorium facility for various government function and events, establishing Covid 19 Sidha Patient Care Hospital in the college premises, allowing the college premises for Election activities for safeguarding EVMs/VVPATs and Counting Center for three constituencies, production of Sanitizer liquid of 5000Lts in their college for distribution to public, active support to the public during Gaja Cyclone and lockdown due to the Covid-19 Pandemic in which Face Mask and Groceries were provided to the poor, underprivileged, sanitation workers and needy people of Nagapattinam.

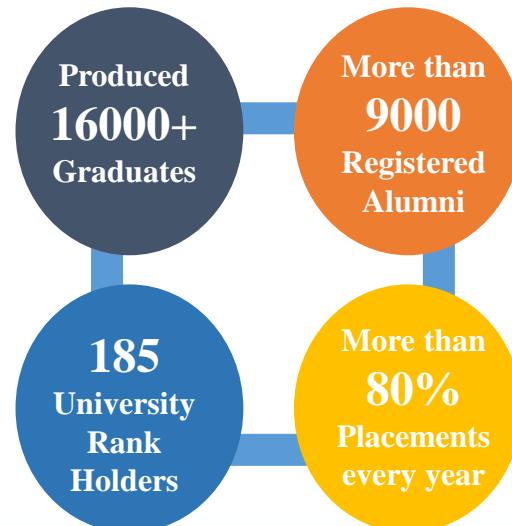
We acknowledge with thanks the support extended by G.S. Pillay & Sons Charitable and Educational Trust to the District Administration.

District Collector,
Nagapattinam.



Skill development Centres

INSTITUTE ACHIEVEMENTS & RECOGNITIONS



MHRD Green Champion award



Best social activities' Institution award 2024 and 2025



Renowned Alumni Mr. D.Murugaraj, IFS

Participation in **Guinness Record for Highest Tree Plantation** in Nagapattinam District & **Mr.Sabarirathan, CSE** made 2 Guinness Records in swimming

Best Educationist award 2024

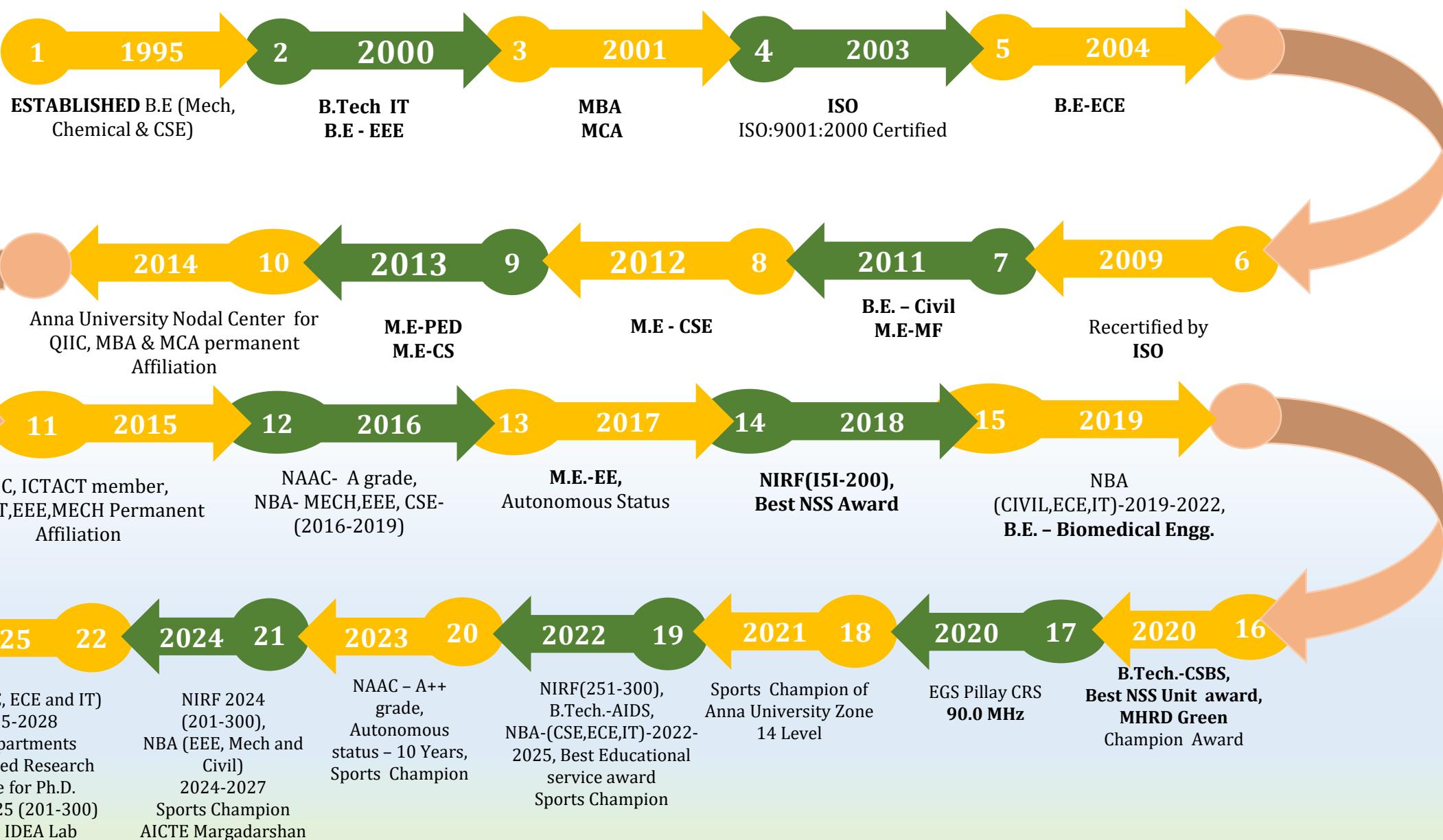


Overall Champions in AU Inter - Zonal Level Sports from 2019- 25

As a Green initiative and research purpose **220kW Solar power plant** has been installed in the campus

Signed MoU with MMU, Malaysia & SEU, Srilanka, Fisheries University, TN& NIT, Trichy & Puducherry

MAJOR MILESTONES





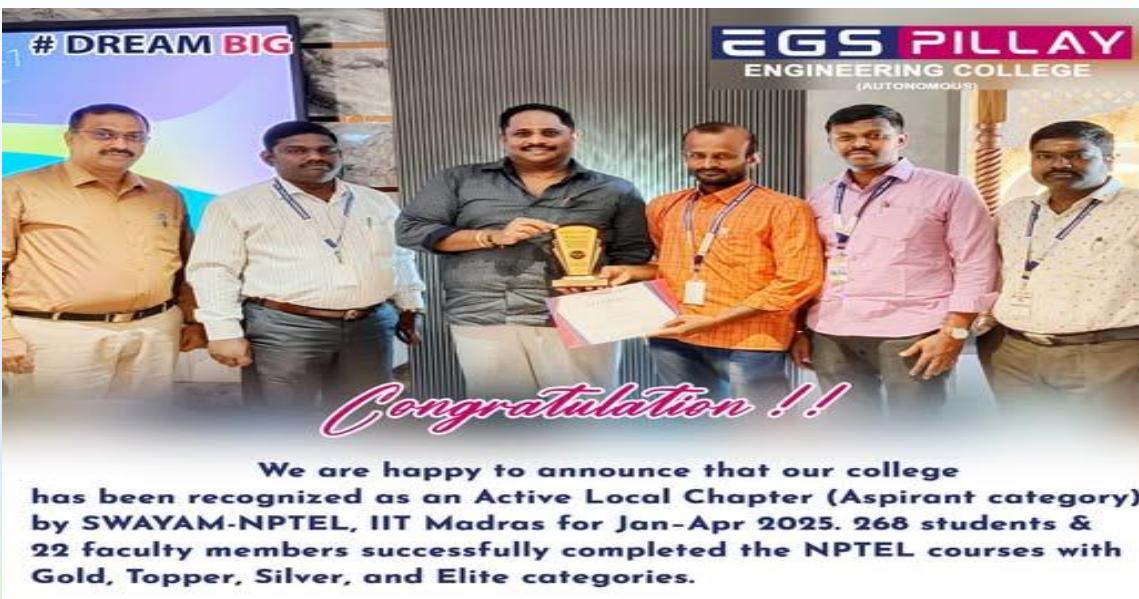
We are delighted to announce that our institution has been selected for establishing an **AICTE IDEA LAB** with the following fund

TOTAL PROJECT COST

90 LAKHS

3 X 30 LAKHS
AICTE CONTRIBUTION + INSTITUTION CONTRIBUTION + INDUSTRY CONTRIBUTION

"We thank all our stakeholders for their continuous support in fostering a higher learning environment."



Margdarshan Scheme 2023-24

Key Features

- Mentor Institutions will support Mentee Institutions by :

- Providing access to state-of-the-art facilities available in host institute and enrich teaching-learning resources.
- Spreading awareness about AICTE initiatives.
- Extending guidance and support to achieve NIRF rankings, NBA and NAAC Accreditation.

Scan For Registration



@OfficialAICTE **@AICTE_INDIA** **/MediaAICTE** **/company/aicteindia** **@Aicte.official**

INSTITUTE ACHIEVEMENTS & RECOGNITIONS

FACULTY LEVEL

- Well qualified and dedicated faculty : Total faculty **236 (2024-25)**.
- **30** Professors+ **34** Associate Professors+**172** Asst. Professors.
- **90** Ph.Ds +**146**(PGs).
- **82** faculty members are pursuing their Doctoral programs. (19 Full Time and 63 Part Time)
- Number of Ph.D guides: **21**
- Number of scholars guided by EGSPEC faculty: **42**
- Encouragement for higher education/paper publications /workshops/seminars/Industrial training
- **570** paper publication (**WoS- 379, SCOPUS- 191**)
- Publications in proceedings: **125**
- Research Articles > 10 Citations:**156**
- Highest Impact Factor (Journal): **9.1** (Renewable Energy) & **6.2** (Socio-Economic Planning Sciences)
- Editors / Reviewers in Peer Journals: **16**

Incentives for Publications

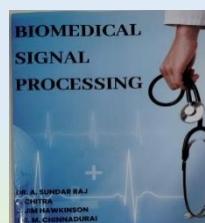
Academic year	No. Of Beneficiaries	Total Amount (INR)
25-26*	35	11,25,250
24-25	73	29,71,220
23-24	42	16,29,910
22-23	24	9,50,400
21-22	21	7,25,315

- No. of books published: **28**
- **Book Chapters:17**
- Received various financial support from various agencies such **DST, AICTE, ICSSR, ATAL FD, etc.,**
- Worth of 1 Crore Consultancy projects
- Patents Published and Awarded: **67**
- Patents Published and awaiting for Examination: **32**
- Commercial Products developed: **11**
- Awards received by faculty: **25**
- 50% faculties completed: 1 or 2 online courses like **NPTEL**
- Average faculty retention ratio- last 3 Yrs: **90%**

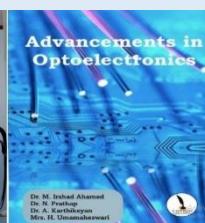


M. CHINNADURAI
Professor of CSE
Verified email at egspec.org
VLSI CAD Compiler Design Networks

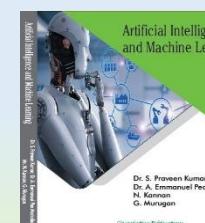
Cited by	VIEW ALL	
All	Since 2020	
Citations	818	791
h-index	17	17
i10-index	20	20



BIOMEDICAL SIGNAL PROCESSING
Dr. A. Sundar Raj, Dr. S. Senthil Aravindh, M. M. Chinnadurai



Advancements in Optoelectronics
Dr. M.伊哈德阿赫梅德, Dr. N. Prathap, Dr. S. Senthil Aravindh, Mrs. H. UnnathiSwari



Artificial Intelligence and Machine Learning
Dr. S. Preaveen Kumar, Dr. A. Emmanuel Peo Maridas, Dr. G. Murugan



VLSI Design
Dr. P.J. Suresh Babu, Dr. S. Sivamani

INSTITUTE ACHIEVEMENTS & RECOGNITIONS

STUDENT LEVEL

- ✓ National level champion & participated in International level sports competitions - **Silambam- Surya Prakash/EEE, Silambam World Record** - Panjaboodha Book of Record for rotating Silambam for 3 Hours
- ✓ Consecutive winner @ Anna University Zone 15 level sports competition- **2019-2025**
- ✓ Co-curricular Activities participation: **982 events**
- ✓ Prizes won in Co-curricular activities: **182 prizes**
- ✓ NPTEL Courses completed: **751**
- ✓ MOOC Courses completed: **615**
- ✓ Performance in GATE: **28**
- ✓ Patent & Copyright filed/granted: **14**
- ✓ Conference paper & Journal paper publications: **242**
- ✓ Financial assistance for Paper publication/workshops etc.
- ✓ Hostel Fee concession and Financial assistance from Poor Students Fund/ Sports Achievements



3 Batch students completed projects in ISRO Mahendragiri



National level champion in Silambam and participated in International game



EGS PILLAY ENGINEERING COLLEGE
An Autonomous Institution | Affiliated to Anna University
Autonomously Function & Rated with Grade 'A+'
SUCCESSFULLY COMPLETED 10 DAYS
TECHNICAL BOOTCAMP AND HACKATHON ON
UI/UX DESIGN FOR II YEAR MCA STUDENTS



Mr.T.Ariharan/Mech received Drawing Competition award from Nagai District Collector

DREAM BIG

EGS PILLAY
ENGINEERING COLLEGE
(AUTONOMOUS)

BIO-MEDICAL ENGINEERING

19 Students undergoing
TWO WEEKS
INTERNSHIP PROGRAMME at
on MEDICAL EQUIPMENT TRAINING



"Proud to share that"

our third-year IT students interning at **IIT Madras** under the Sagarmala project (NTCPWC, Govt. of India) have earned a 3-month extension for their outstanding performance and learning enthusiasm.


ARISHKANNAN.A


NTCPWC


DHIVYAN.T

ALUMNI CONNECT

EGS PILLAY
ENGINEERING COLLEGE
(AUTONOMOUS)

Accredited by NBA & NAAC with Grade 'A+'

TOP INSTITUTIONS IN CAUVERY DELTA ZONE

CELEBRATING SUCCESS

Alumni Family


J. SADHANANDHAM

Batch Year: 2009 - 2013
Department of Mechanical Engineering

Proud moment for EGS Pillay Group of Institutions as our distinguished alumnus is appointed as **Scientist - C at CSIR-Central Leather Research Institute, Ministry of Science & Technology, Govt. of India!**

DREAM BIG

EGS PILLAY
ENGINEERING COLLEGE
(AUTONOMOUS)

TOP INSTITUTIONS IN CAUVERY DELTA ZONE

CELEBRATING SUCCESS

Congratulation !!

We are happy to announce that our college has been recognized as an Active Local Chapter (Aspirant category) by SWAYAM-NPTEL, IIT Madras for Jan-Apr 2025. 268 students & 22 faculty members successfully completed the NPTEL courses with Gold, Topper, Silver, and Elite categories.

ஸ்டார் விருது

முடிப்பு

தொழில் மற்றும் தொழிற்சாலை அமைச்சர்

Mr.Dhinesh Babu/Mech received Speech Competition Award from Tamil Nadu Chief Minister



SPORTS ACHIEVEMENTS

Anna University Zone 15 level tournaments:

2022-23	2023-24	2024-25
WINNER – TABLE TENNIS (MEN & WOMEN), BADMINTON (MEN), TENNIS(MEN), VOLLEYBALL(MEN), BALL BADMINTON(MEN & WOMEN), CHESS(MEN)	WINNER - TABLE TENNIS (MEN & WOMEN), BADMINTON (MEN), VOLLEYBALL(MEN & WOMEN), CHESS (WOMEN), CRICKET(MEN)	WINNER - BADMINTON FOR MEN, BASKETBALL FOR MEN, TABLE TENNIS FOR MEN, CHESS FOR MEN, FOOTBALL FOR MEN, TABLE TENNIS FOR WOMEN, CHESS FOR WOMEN, VOLLEYBALL FOR WOMEN
RUNNER – KABADI (MEN), CHESS(WOMEN), BASKET BALL(MEN), HANDBALL(MEN)	RUNNER – FOOTBALL(MEN), BALL BADMINTON(MEN), BASKETBALL (MEN), KHO-KHO(MEN)	RUNNER – VOLLEYBALL FOR MEN, KHO-KHO MEN, HAND BALL FOR MEN
THIRD PLACE: CRICKET(MEN), ATHELETICS MEN & WOMEN TEAMS	THIRD PLACE: BADMINTON (WOMEN), HAND BALL(MEN), ATHELETICS MEN & WOMEN TEAMS	THIRD PLACE: BADMINTON FOR WOMEN, BALL BADMINTON FOR WOMEN, BALL BADMINTON MEN, ATHLETICS MEN TEAM, S. ADHITHYAMOORTHY ANNA UNIVERSITY INTER-ZONE WEIGHT LIFTING MEN 96KG CATEGORY ATHLETICS TEAM (MEN & WOMEN) OVER ALL (WINNERS)
OVERALL CHAMPIONSHIP	OVERALL CHAMPIONSHIP	OVERALL CHAMPIONSHIP

- R.ARUNKUMAR IV-EEE, GOLD MEDAL - ALL INDIA PHYSIQUE FOR MEN - TOURNAMENT PARTICIPATION IN ANNA UNIVERSITY PHYSIQUE TEAM
- ABILASH M , MBA II, ALL INDIA BADMINTON FOR MEN - TOURNAMENT PARTICIPATION IN ANNA UNIVERSITY BADMINTON TEAM



Overall Championship

CM TROPHY – NAGAPATTINAM
9 Winner - Up
4 Runner – Up
5 Third Place

SPORTS ACHIEVEMENTS (CONT..)

Anna University Sports Board Zone - 15



BALL BADMINTON WINNER



BASKET BALL WINNER



CHESS WINNER



Ball Badminton - Winner



Basket Ball - Winner



VOLLEYBALL RUNNER



KABADDI RUNNER



CHESS THIRD



TN Sports Minister Visit our College



Fencing - Winner



BADMINTON FOURTH



INTER ZONE KARATE BRONZE MEDAL



NATIONAL GOLD MEDAL SILAMBAM

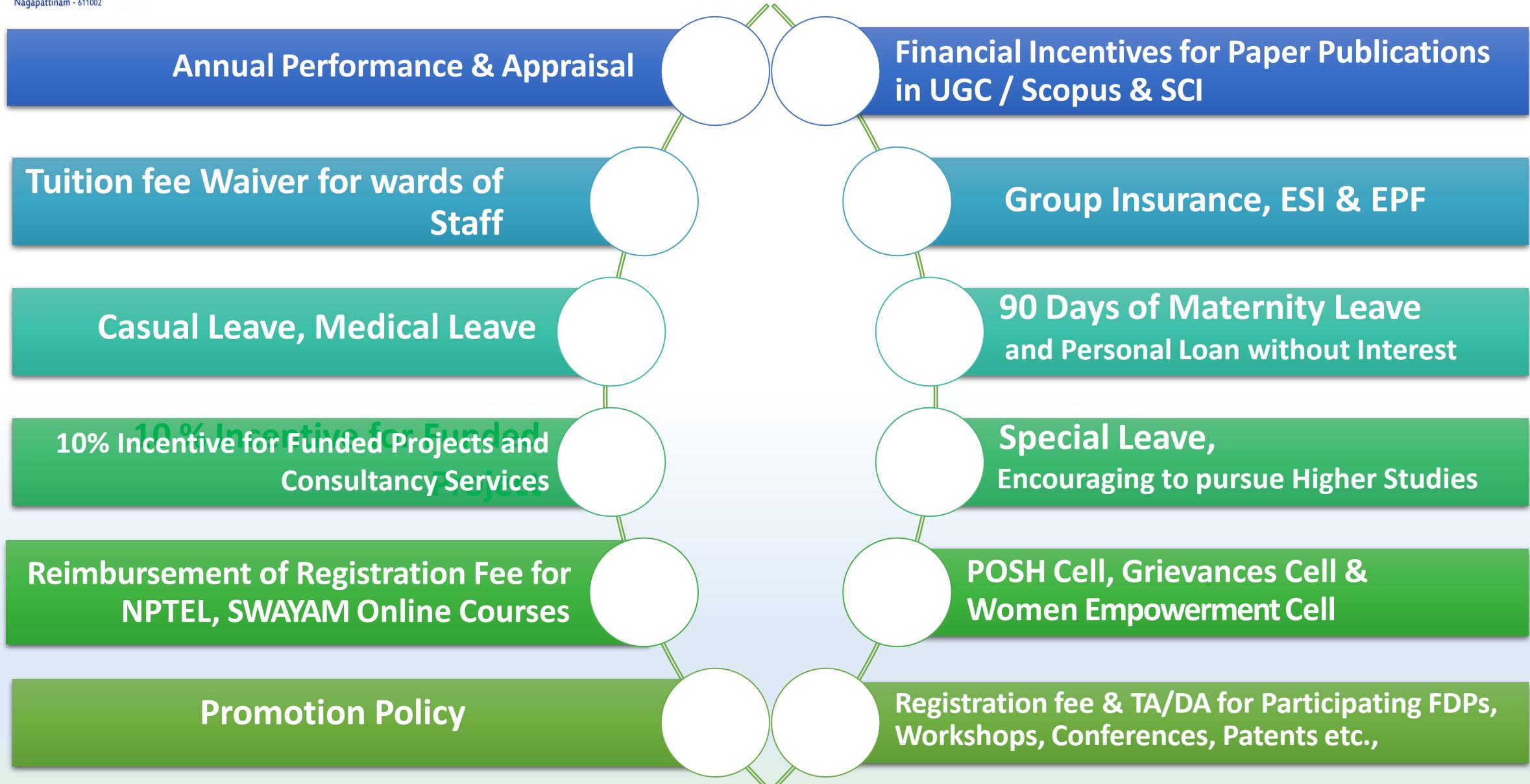


State Yoga competition



Cricket - Winner

FACULTY CENTRIC POLICIES & UTILIZATION



FACULTY CENTRIC POLICIES & UTILIZATION

FACULTY COMPETENCY ENHANCEMENT

- 1. Faculty Development Programmes**
- 2. Industrial Trainings**
- 3. Motivational Lectures**
- 4. Project Funding**
- 5. Pursuing Ph.D**
- 6. Online Resources**

POLICY	Beneficiary details (Last 3 Years)
Higher Studies	59
Industry Training	641
Consultancy works	10% of the amount
Membership in professional bodies	41
Cash prize for publishing papers & books	195
Registration Fee(Patent Application fee, NPTEL, Conference, STTP, FDP etc.,)	382
Subsidized transport fee	22
Hostel stay	5
Personal loan without interest	44
Health Insurance	All staffs
Festival Advance	25



Amphisoft Industrial Training



IE(I) sponsored Workshop



E.G.S. Pillay Engineering College Department of Information Technology organized one week online faculty development and training programme on Cloud Computing sponsored by Centre for Faculty Development, Anna University, Chennai. 60 faculty members from in and around Tamil Nadu are participated and 9 experts are delivered the sessions. This programme is coordinated by IT Head Deekshankandan, Ms.K.Nagalakshmi, Dr.R.Lavanya, Dr.K.Rajesh, and other department faculty members. College Chairman Mr. S. Selvaraj, Secretary-S. Rathika, Joint Secretary S.Sankar Ganesh, Advisor S.Parmeswaran, Director Academic Dr.Mohan, Principal Dr.S.Ramabalan and other departments appreciated the coordinators and Anna University issued the certificates to all the participants.

STUDENT CENTRIC POLICIES & UTILIZATION

100% fees Waiver for high cut off Students

Seed Money for Innovative & Socially relevant projects, Industrial Training

Encouraging Paper publication in Journals & Conferences

50% Fee Concession for Sports Quota students

Scholarship for FG/7.5% Govt. School Students

STUDENT

Effective Proctorial System, Encouraging NPTEL, MOOC Courses

Special Coaching for Slow Learners and Encouraging Fast Learners

Recognition of Best Outgoing, Class Toppers & 100% Attendance Student, Recognition of Best Sports Persons

Tuition Fee Waiver for Economically Poor Students

Accidental and Health Insurance Policy and ERP System

STUDENT CENTRIC POLICIES & UTILIZATION

MERIT SCHOLARSHIP

Merit cum Means Scholarship by Management								Total Count	Total Scholarship Amount in Rs.
S.No.	Academic Year	UG Count	UG Scholarship Amount in Rs.	UG - Lateral Count	UG - Lateral Scholarship Amount in Rs.	PG Count	PG Scholarship Amount in Rs.		
1	2020-2021	100	2960000	37	566000	148	1844500	285	5370500
2	2021 -2022	163	3671500	124	2410750	80	1047500	367	7129750
3	2022 -2023	56	1033750	48	879250	63	640000	167	2553000
4	2023 -2024	68	2317750	13	232050	52	628000	133	3177800
5	2024 -2025	141	3983250	12	288250	46	631000	199	4902500

Scholarship for Candidates Joining - UG (For +2 Academic Group)		Scholarship for Candidates Joining - PG		Scholarship for Candidates Joining Our College faculty Son/Daughter		Scholarship for Candidates Joining - UG LATERAL ENTRY	
Cut-off 96% & above	Free Education for Every Year	Overall 96% & above	20 % Scholarship for Every Year	Our College faculty Son/Daughter	30 % fees concession.	Overall 96% & above	50% Scholarship for Every Year
Cut-off 91% to 95%	75% Scholarship for Every Year	Overall 90% to 95%	15 % Scholarship for Every Year	Economically Poor & Family Situation	Concession percentage will be decided by the management based on the family condition.	Overall 90% to 95%	25% Scholarship for Every Year
Cut-off 86% to 90%	50% Scholarship for Every Year	Overall 85% to 89%	10 % Scholarship for Every Year				
Cut-off 80% to 85%	25% Scholarship for Every Year						

Tuition Fee Waiver by Management (AICTE Scheme): 95 Students (Rs. 59,25,000)

QUALITY ASSURANCE INITIATIVES & IMPACT

- Quality Assurance Initiatives - NBA (CSE, EEE & Mech -2016, 2019 - Tier-2) , (ECE, Civil & IT-2019-Tier-2), (ECE, CSE & IT- 2022-2025 - Tier-1), (Civil, Mech & EEE – 2024-2027 Tier1) and (CSE, ECE & IT – 2025-2028 Tier1)
- NAAC with ‘A++’ grade & Score 3.56/4.00 – 2nd Cycle (2023-2029)
- AUTONOMOUS status: Extended for 10 Years by UGC and AU (2023 - 2032)
- 2(f) and 12(B) status by UGC(2015)
- SIRO recognition from DSIR
- ISO 9001:2015 Certification
- NIRF Ranking: 201-300 Rank Band in 2024 and 2025
- IQAC External and Internal Audit
- Paper/book publications, Patents/Copyrights, FDP, Industry training, workshops
- Training for Placements from 2nd year onwards
- MOOCs /NPTEL – credits transfer facilities
- Employment Enhancement Courses - Comprehensive Viva/Mini-project/Induction Programs/Life skill courses – Aptitude, GD, Soft skills, EDC courses
- Mandatory Internship
- Introduction of Skill development Courses in every semester from 2nd year onwards
- Curriculum and syllabus updation based on need
- Teaching-learning process reforms & Exams reforms
- Green campus – 220kW Roof top solar plant, 6kW Hybrid wind & solar plant, solar street lamps, solar water heater, biogas plant
- ERP System
- Various Institute level and Department level committees to enhance the quality of education– GB, AC, BoS, IQAC, PAC and others
- MoU signed with Industries and Academic Institutions

Impact of Quality Initiatives

- ✓ Improved academic environment by the way of self learning
- ✓ More practical orientation
- ✓ Improved internship opportunities
- ✓ Improved placements
- ✓ Improved competitive spirit
- ✓ Improved Innovative thinking
- ✓ More transparent evaluation
- ✓ Improved subject Knowledge
- ✓ Exposure to outside world
- ✓ Enhanced knowledge due to Skill Development Courses
- ✓ One of the most preferred college in the region

- Alumni Feedback
- Parents – Teachers Meet
- Students Feedback
- Academic Audit (Internal and External)
- Class Committee Meeting
- Peer Evaluation
- Establishment of Industry Institute Interaction Cell

Programme	Credits	Regulations
B.E. / B.Tech.	160 & 165	R2019 & R2023
M.E.	71 & 75	R2021& R2024
M.B.A.	88 & 102	R2020& R2024
M.C.A.	82 & 83	R2020& R2024

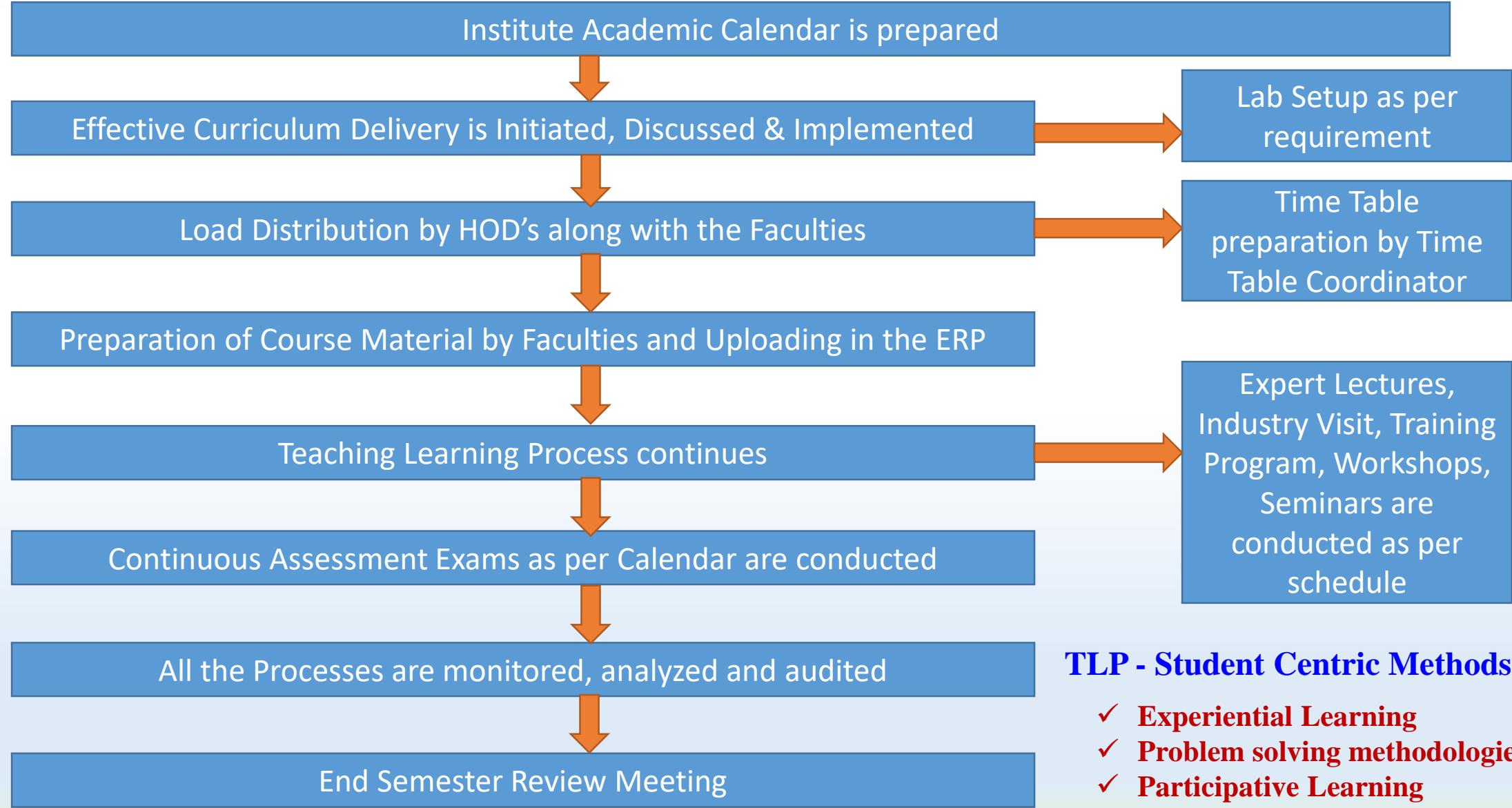
- Adoption of CBCS
- AICTE Model based curriculum & NEP 2020
- Minor Degree -(18 credits Extra)– 6 domains
- Specialization & Honours degree (18 credits Extra)
- AICTE Activity Programme scheme
- AICTE mandatory courses
- 2 weeks induction programme – I Year
- Japanese language training -
- Employability Enhancement Courses
- Enrichment courses (Yoga, UHVE, SOHWB, etc)
- Entrepreneurship & Startups courses
- Internship – 2 weeks/ 4 weeks
- Minimum 40 Hours participation in Extracurricular activities
- Time Table – Library hour, Activity hours, T&P hours, etc.



STUDENTS ENROLLMENT IN VALUE-ADDED COURSES

Year	Beneficiaries
2022-23	2118
2023-24	2805
2024-25	3117

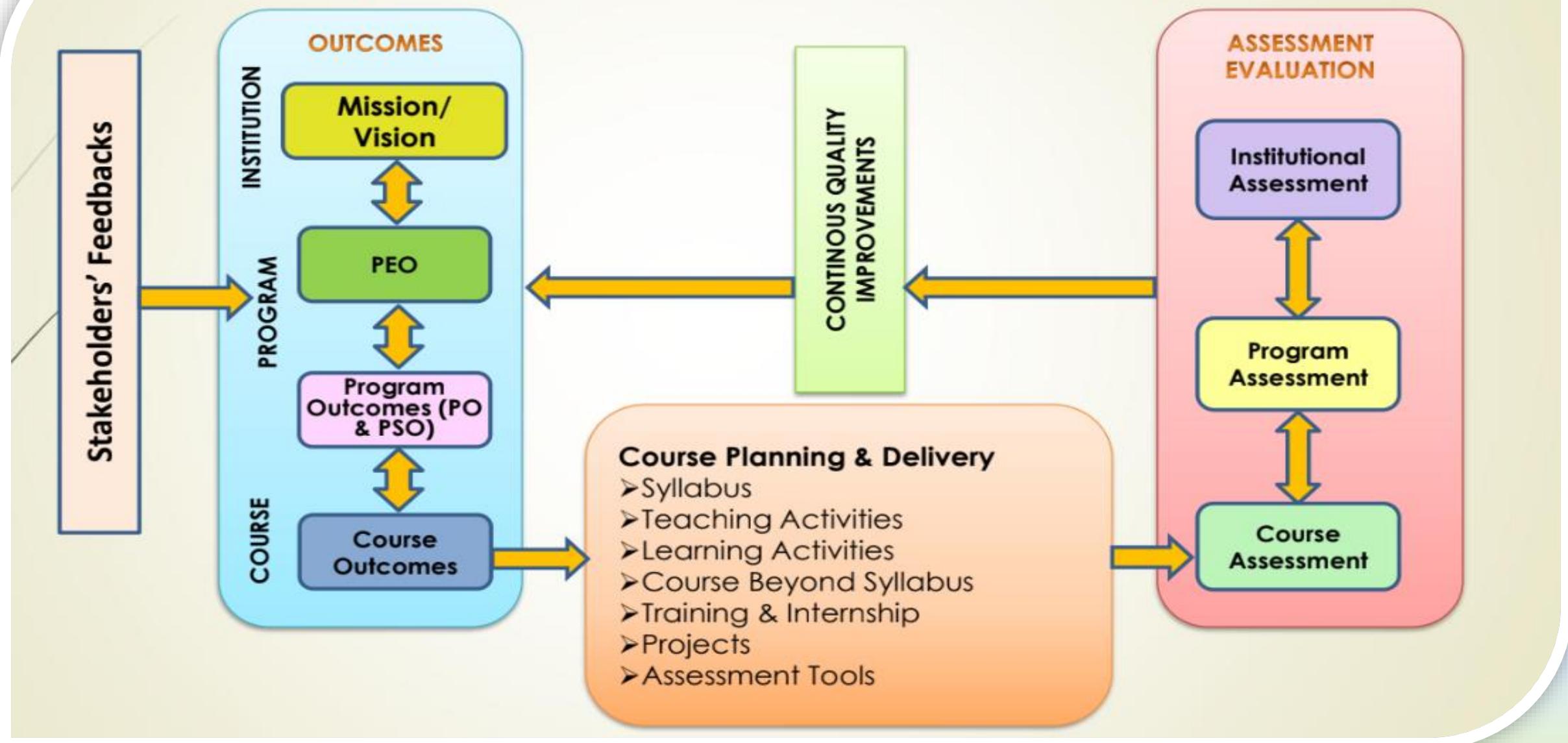
CURRICULUM & TEACHING-LEARNING – IMPLEMENTATION DETAILS



TLP - Student Centric Methods

- ✓ Experiential Learning
- ✓ Problem solving methodologies
- ✓ Participative Learning
- ✓ Project based Learning
- ✓ Complex Engineering Problem

Implementation of Outcome Based Education System



COMPONENTS OF THE CURRICULUM

BME

Course Component	Curriculum Content (% of total number of credits of the program)	Total number of contact hours per week	Total number of credits
Humanity & Social science including management course(HSMC)	3.03	6	5
Basic Science (BSC)	14.54	28	24
Engineering Science (ESC)	13.3	31	22
Professional Core Courses(PCC)	40	116	66
Professional Elective Courses(PE)	10.9	18	18
Open Electives(OE)	5.45	9	9
Employment Enhancement Courses(Project work, Mini project, internship presentation, PDC, Industrial certification)	12.72	40	21
Mandatory Courses	0	6	Non Credit (Not included for CGPA)
Total Credits to be earned for the award of the Degree		165	

MCA

Course Component	Total no. of credits R2020	Total no. of credits R2024
Program Core	57	52
Program Electives	09	13
Open Elective	00	03
Skill Courses	03	03
Seminar/ Project work/ Internships/ Industrial training/ Visits	13	12
Any other (Audit Course)	00	00
Total no. of Credits	82	83

TEACHING-LEARNING METHODS ADOPTED



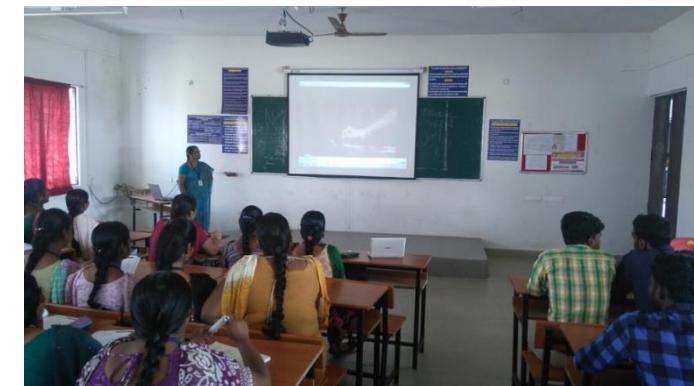
ICT Enabled Lecturing



Lecture with Discussion, Role play, mind map, etc



Assignments and Experiments



Demonstrations



NPTEL Courses



Group Discussion, Debate



Technical Quiz & Mini-project



Seminar & Model Presentation



Self Learning resources



Animations, Videos, Case Studies

TEACHING METHODOLOGIES



Demonstration Kits



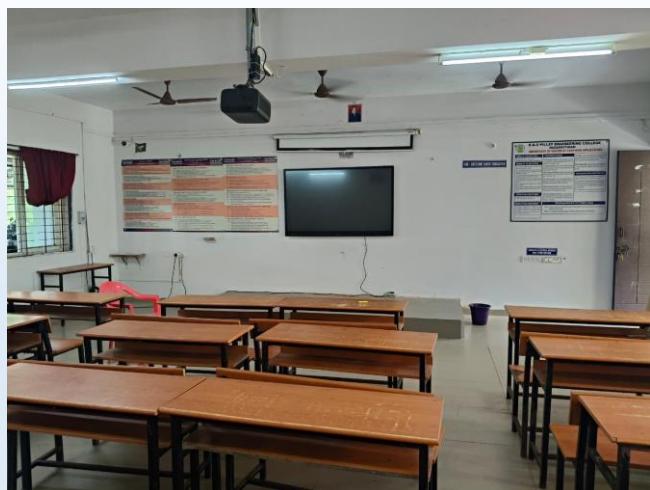
Cut Section models



Video Lectures



Theory with Lab component in Teaching



ICT Supported learning



Interactive class rooms



Technical Quiz



Experiential learning

EVALUATION PROCESS ADOPTED

- **Bloom's taxonomy & Course Outcome (CO) levels in question paper**
- **Theory Courses – 40% CIA Tests + 60% ESE**
 - 2 Continuous Internal Assessment (CIA) Tests, Assignments, Seminars / Tutorials / Quizzes / Practical Oriented Assessment, End Semester Exam
- **Theory cum Lab – 50% CIA Tests, and 50% End Semester Exam**
- **Laboratory Courses – 60% CIA Tests and 40% End semester Exam**
- **Publishing of CIA marks through ERP**
- **Question papers prepared by Internal faculties & from outside reputed Institution faculties**
- **Valuation by both External and Internal faculties**
- **ERP software for all the processes**
- **Results Passing Board meeting with Anna University representative**
- **Relative Grading System by Anna University**

FACULTY INFORMATION & CONTRIBUTION POINTS

Description	2024-2025	
	MIN	MAX
Faculty in Engineering (Male)	103	110
Faculty in Engineering (Female)	87	95
Faculty in Maths, Science & Humanities (Male)	20	23
Faculty in Maths, Science & Humanities (Female)	26	28

Non-teaching Staff		
Technical	Supporting	Total
87	122	209

Overall Students Faculty Ratio

✓ Present Total students strength UG & PG:3714

✓ Faculty strength: 236, SFR = **15.73:1**

Faculty Cadre

Sl.No.	Faculty Cadre	Strength
01	Professor	30
02	Associate Professor	34
03	Assistant Professor	172
Total		236

Faculty Qualifications

Sl.No.	Faculty Cadre	Strength
01	PhDs.	90
02	Ph.D. (Pursuing)	82
03	Post Graduates	64
Total		236

1st Year Students Faculty Ratio

- Total no. of Students- **910**, Total no. of Faculty- **52**, Students Faculty ratio – **17.5:1**

FACULTY INFORMATION & CONTRIBUTION POINTS

BME and MCA SFR (CAY 2024-2025)

SI. No.	NAME OF PROGRAMME	No. OF STUDENTS IN THE DEPARTMENT (UG & PG)	No. OF FACULTY	STUDENTS FACULTY RATIO
1	BME	192	13	14.76
2	MCA	121	8	15.13

Faculty Contributions

S.No	Name of the activity	MECH	BME	ECE	EEE	CIVIL	S&H	MBA	MCA	CSE	IT	AIDS	CSBS	Total
1	Manuscripts published	78	21	155	38	41	34	9	15	91	63	13	12	570
2	Conferences/ workshops/Seminars attended	121	89	96	65	25	29	16	10	56	43	19	26	595
3	Conferences/ workshops/Seminars organized	46	24	46	35	36	15	10	13	53	42	20	15	355
4	Books Published	4	3	7	3	2	1	2	-	4	2	1	1	30
5	Books chapters	1	1	3	-	-	1	1	1	3	1	-	-	12
6	PhD awarded	8	-	7	9	2	-	-	-	11	-	-	-	37
7	Patents granted	3	8	3	6	0	0	0	0	1	4	-	-	25
8	Patents applied	3	0	2	2	6	2	0	0	2	1	2	1	21

FACULTY INFORMATION & CONTRIBUTION POINTS

RESEARCH & DEVELOPMENT

Academic year	Project title	Name of the PI	Name of the Funding Agency	Amount In Rs.	Status
25-26	Empowering Change: Energy Technologies and Sustainable development- ATAL FDP	Dr. G. Gurumoorthi	AICTE	1,00,000	Completed
24-25	AICTE- IDEA LAB	Dr. M. Chinnadurai	AICTE	90,00,000	Ongoing
23-24	TNSCST- Popularization of Science and Technology	Dr. N. Moorthy	TNSCST	20,000	Completed
23-24	TNSCST- Popularization of Science and Technology	Dr. R. Karthi	TNSCST	20,000	Completed
23-24	Margdarshan Scheme	Dr. M. Chinnadurai	AICTE	6,00,000	Ongoing
23-24	Technical Training	Dr. S. Chandrasekar	TAHDCO	50,00,000	Completed
21-22	Improving personal hygiene and inculcating good practices among SC/ST adolescent girls students during their menstrual cycle	Dr. S. Chandrasekar	Ministry of Science & Technology- DST, NCSTC division	24,50,000	Completed
21-22	Distributed network technology and cloud security- ATAL FDP	Dr. S. Anakath	AICTE	93,000	Completed
20-21	Awareness among SC and ST students towards water conservation	Dr. S. Chandrasekar	Department of Science and Technology (DST) (NCSTC)	21,30,000	Completed

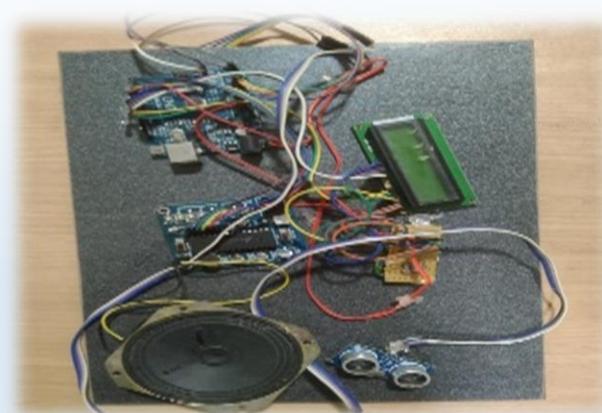
FACULTY INFORMATION & CONTRIBUTION POINTS

PRODUCTS DEVELOPMENT -SAMPLES

FRP BOATS- 2 MODELS



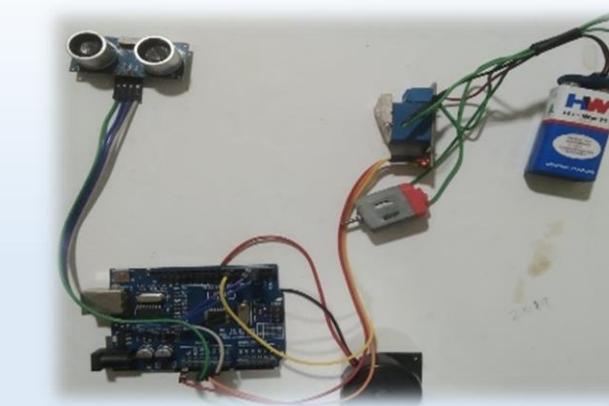
Paddy Transplanting Machine



Health Care Monitoring Systems



Multipurpose Electric three wheeler



Integrated intelligent system for disable people



Microcontroller Based Anaesthetics Injector

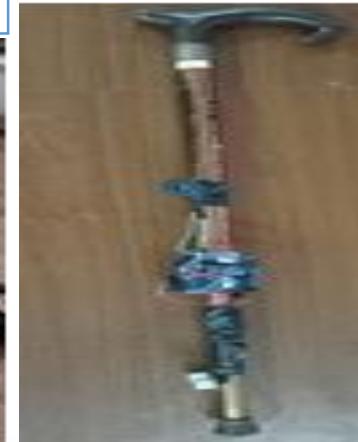
FACULTY INFORMATION & CONTRIBUTION POINTS

PRODUCTS DEVELOPMENT –SAMPLES – Contd.,

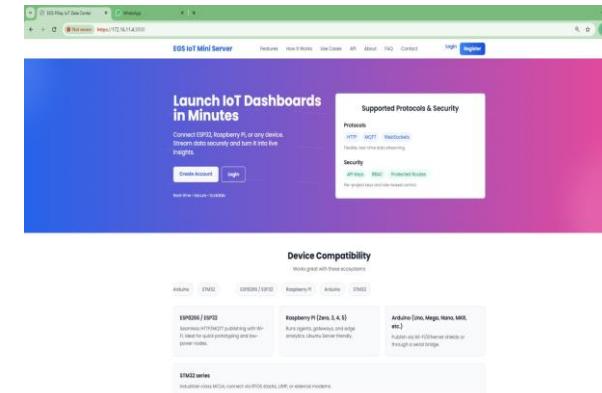
Dual Battery Controller for Solar Based Electric Vehicle



Blind Stick



EGSP IoT Mini Server



Semi automatic oil bottle filling machine



Use of Waste Tyres and Plastics for Road Construction



Concrete block using waste material



Pervious concrete



Development of a prosthesis Hand controlled by brain computer



FIRST YEAR STUDENTS ADMISSION – B.E./B.TECH. AND PG PROGRAMMES

Nagapattinam - 611002

Programme	Seats Filled/Sanctioned Strength				PERCENTAGE
	2021-22	2022-23	2023-24	2024-25	
AIDS	0	63/60	63/60	122/120	100
BME	63/60	63/60	62/60	62/60	100
CIVIL	40/60	33/60	39/60	50/60	68
CSBS	63/63	62/60	63/60	61/60	100
CSE	126/120	126/120	188/180	184/180	100
ECE	125/120	123/120	126/120	126/120	100
EEE	62/60	55/60	63/60	59/60	99.58
IT	62/60	63/60	126/120	126/120	100
MECH	118/120	119/120	122/120	124/120	100
MBA	122/120	114/120	110/120	115/120	96.04
MCA	62/60	63/60	62/60	60/60	100
M.E - CSE	18/18	18/18	18/18	18/18	100
M.E - CS	18/18	17/18	6/18	12/18	73.61
M.E - PED	18/18	17/18	2/18	14/18	70.83
M.E – MFG	18/18	18/18	10/18	15/18	84.72
M.E - EE	16/18	18/18	10/18	17/18	84.72

STUDENT PERFORMANCE POINTS

STUDENTS GRADUATION

PROGRAMME	2021 Batch	2020 Batch	2019 Batch
BME	54/70	56/60	55/59
PROGRAMME	2023 Batch	2022 Batch	2021 Batch
MCA	61/61	60/62	59/62



Graduation Day



Overall UG & PG
Graduation of
the college in AY
2023-24

89.78%

STUDENT PERFORMANCE POINTS

PLACEMENT, HIGHER STUDIES, EDC

Particulars / Year	2021-2022	2022-2023	2023-2024	2024-2025
Total Number of Students	665	789	798	859
Number of Students Interested for Placement	561	620	741	794
Number of Students Not Interested for Placement	104	169	66	65
Total Number of Students Placed	539	608	732	782
Total Number of Students Not Placed	22	12	09	12
No of Recruiters	68	77	89	90
Percentage of Students Placed	96.07	98.06	98.07	98.45
Highest Salary	5,20,000	7,50,000	8,00,000	12,00,000
Average Salary	2,34,354	2,40,758	2,75,400	3,00,714

MCA

	2022-2023	2023-2024	2024-2025
Total no. of students	62	62	61
Total no. of students placed	57	57	55
Total no. of students got higher studies	0	0	0
Total no. of Entrepreneurs	02	02	03

BME

	2022-23	2023-24	2024-2025
Total no. of students	59	58	61
Total no. of students placed	48	50	52
Total no. of students got higher studies	01	04	02
Total no. of Entrepreneurs	0	01	0

STUDENT PERFORMANCE POINTS

GRANT RECEIVED BY THE STUDENTS FROM FUNDING AGENCIES

Academic year	Project title	Name of the PI	Name of the Funding Agency	Amount In Rs.	Status
24-25	Development of Hydroxyapatite (HA) Thin films for Enhanced Bone Integration in Medical Implants	Dr. R. Venkatesan, AP/BME	TNSCST	7,500	Completed
24-25	A Visually Impaired Accessible Voicemail System for Blind People	Dr. C. Mallika, AP/MCA	TNSCST	7,500	Completed
24-25	Intelligent Intrusion Detection System for Secure Zones Using Computer Vision and ROI Monitoring	Dr. M. Malathi, Prof/ECE	TNSCST	7,500	Completed
24-25	Development of an energy-efficient, low cost solar-powered water pumping system for irrigation in rural Tamil Nadu	Dr. G. Sundaravadiel, AP/Mechanical	TNSCST	7,500	Completed
23-24	The preventing train accidents and breakdown collision detection the using CNN based safety system	Dr.C. Mallika, AP/MCA	TNSCST	7,500	Completed
23-24	A mobile app that crowd sources water-related problems from around a community, open sources data, etc. and display them on a map	Dr. S. Manikandan, AP/IT	TNSCST	7,500	Completed
23-24	Microcontroller based escalator control system	Dr.T.Suresh Padmanabhan, Prof/EEE	TNSCST	7,500	Completed

STUDENT PERFORMANCE POINTS

STUDENTS ACHIEVEMENTS - SAMPLES



Hospital Training

- N. RAGAVI -

Metro Medical
Care,
Kuwait



One week Internship Training

- S. Mohameddharves -

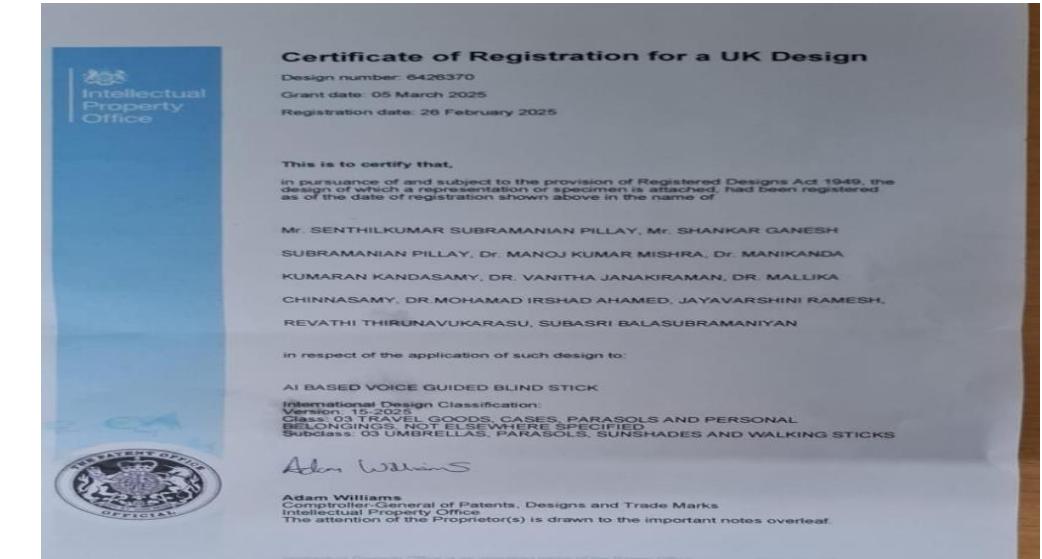
Visakhapatnam.

G. Yalini – Bangalore



Patent Published

- G. Yalini



Patent

hackerrank.com/profile/jvarshiniegs

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Badges

jvarshiniegs has not unlocked any badges yet.

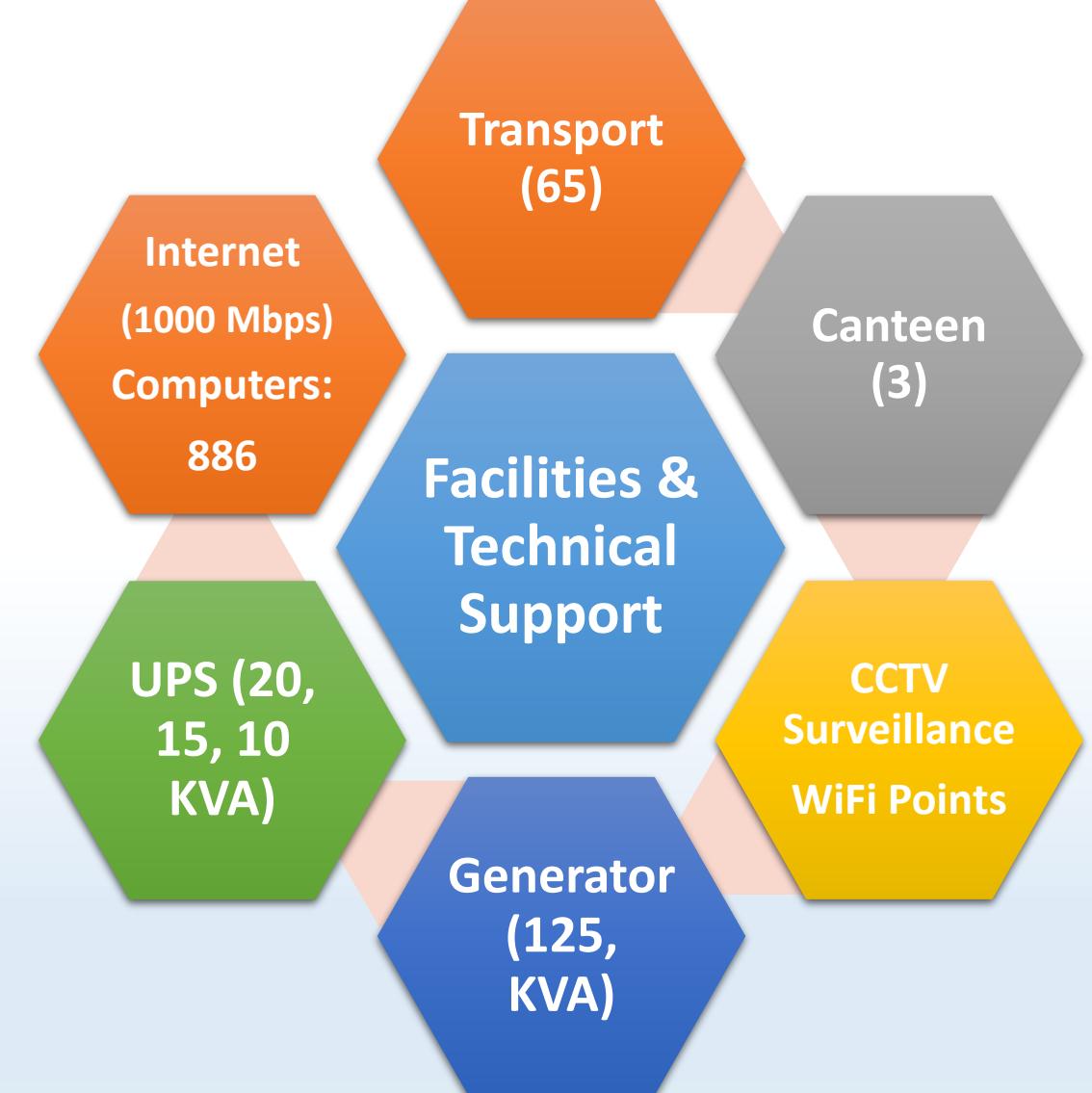
Certifications

Python (Basic) Verified SQL (Advanced) Verified

Student participation in Hacker rank certification

FACILITIES AND TECHNICAL SUPPORT

Land	23.7 A
Class Rooms	80
Lab Rooms	54
Seminar Halls	5 Nos.
Auditorium	2 Nos.
Workshop	4 Nos.
Hostels	4 Nos.
Library	3 Nos.
Multi-Gym	2 Nos.
Outdoor Games & Sports	2 Nos.
Dispensary	1 No.
Bank and ATM	2 Nos.
Clubs	8 Nos.



FACILITIES AND TECHNICAL SUPPORT

LABORATORY



GENERATOR



FIRE SAFETY



DBS BANK & ATM



COMMUNITY RADIO



RO PLANT



FACILITIES AND TECHNICAL SUPPORT



AMBULANCE



DISPENSARY
COUNSELING ROOM



HOSTEL



CANTEEN / CAFETERIA



COLLEGE BUSES



FOOTBALL GROUND



INDOOR STADIUM



BASKETBALL COURT



GYM

GREEN INITIATIVES



CLEAN CAMPUS
GREEN CAMPUS



RAIN WATER HARVESTING



BIO GAS PLANT



HYBRID WIND & SOLAR
PLANT(6kW)



SOLAR WATER HEATER



220 kW Roof top solar plant

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Digital Library Services

- ❑ IEEE Journals
- ❑ ASCE Journals
- ❑ ASME Journals
- ❑ DELNET, KNIMBUS digital platform
- ❑ NPTEL courses
- ❑ MOOC courses
- ❑ N-LIST



Year	No. of Books Purchased	
	Titles	Volumes
2022-23	342	1036
2023-24	216	477
2024-25	137	423

S.No	Access Details	URL		
1	IEEE Xplore Digital Library	http://ieeexplore.ieee.org/Xplore/home.jsp		
2	DELNET Library (Developing Library Network)	http://delnet.nic.in	Access	User Name
		Engineering	tnegspecntn	Egs820
3	National Digital Library of India	https://ndl.iitkgp.ac.in/		
4	Digital Library remote access	http://egspec.knimbus.com		
5	N- list	https://nlist.inflibnet.ac.in		

INTERNET

- 1 GBPS AIRTEL
- SOPHOS FIREWALL

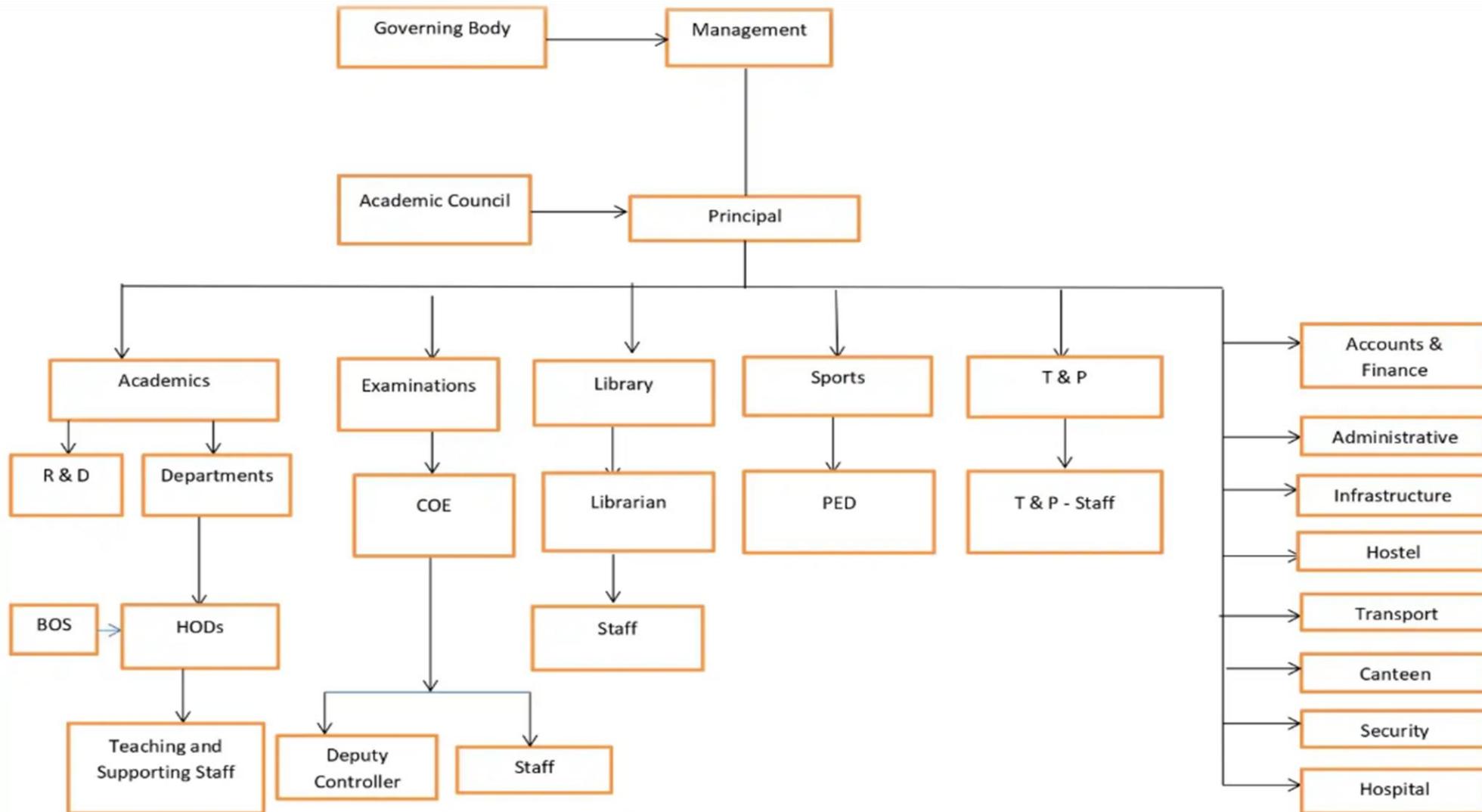


Other sources:

- Podcasts courses
- CDs, E-books, E-journals
- GRE, TOEFL, IELTS, GMAT, GATE, etc

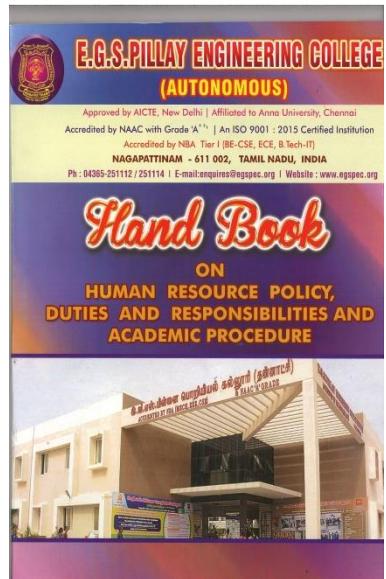
GOVERNANCE, INSTITUTIONAL SUPPORT AND FINANCIAL RESOURCES

ORGANIZATIONAL STRUCTURE



GOVERNING BODY

S.No.	NAME OF THE MEMBER	POSITION	DESIGNATION
1	Mrs. JOTHIMANI G.S. PILLAY	CHAIRMAN, EGSPGOI	CHAIRMAN
2	Shri. S. SENTHILKUMAR	SECRETARY, EGSPGOI	SECRETARY
3	Shri. S. SANKAR GANESH	JOINT SECRETARY, EGSPGOI	JOINT SECRETARY
4	Shri. S. ARULPIRAKASAM	TRUST MEMBER, G.S. Pillay & Sons Charitable and Educational Trust	MEMBER - MANAGEMENT
5	Shri. S. GOVINDASAMY		
6	Shri. S. PARAMESVARAN		
8	Dr. V. ARUMUGAM, M.E., Ph.D.,	PROFESSOR, ANNA UNIVERSITY, MIT, CHENNAI	MEMBER - UNIVERSITY NOMINEE
9	Dr. V. GOPALAKRISHNAN, M.E., Ph.D.,	PROFESSOR/EFF, GCT, COIMBATORE.	MEMBER - STATE GOVERNMENT NOMINEE
10	Dr. K. RAGHUKANDAN, M.E., Ph.D.,	FORMER DEAN, ANNAMALAI UNIVERSITY	MEMBER - ACADEMIC
11	Shri. S. KUMARAVELU	AUDITOR	MEMBER - AUDITOR
12	Shri. V. BALAMURUGAN	LAWYER	MEMBER - LEGAL
13	Shri. M. MOHAMED GHOWDHUL ARIFEEN	MD & CEO, Wahmi Software Solutions Pvt. Ltd., Nagore.	MEMBER – INDUSTRIALIST
14	Er. P. SUNDARAVELU	CONSTRUCTION ENGINEER	
15	Dr. S. CHANDRASEKAR	CEO, EGSPGI	SPECIAL INVITEE
16	Dr. M. CHINNADURAI	PRINCIPAL, EGSPSPEC	MEMBER SECRETARY
17	Dr. S. KRISHNAMOHAN	PROFESSOR/EGSPEC	REPRESENTATION FROM THE FACULTY MEMBERS
18	Dr. R. KARTHI		
19	Dr. M. MALATHI		



HR Policy Handbook - Duties and Responsibilities and Academic Procedure

- Faculty – Recruitment, Promotion, Leave, Duties, Targets, Welfare schemes, R&D Promotional policy, Financial power, Purchase procedure, etc. **Year of publication:2014, Recent updation in 2025**

Decentralization in Working

- Delegation of authorities to faculty & staff for better performance
- Principal delegates power to HoDs for taking administrative decisions.
- Various committees take care of Academic, Co-curricular and Extra-curricular activities

Various Committees to Ensure Good Governance

- Governing Body
- Academic Council
- Board of Studies
- Finance committee
- Sports committee
- Women empowerment cell
- Research coordination committee
- Discipline committee
- Hostel committee
- Training & Placement Cell
- Alumni Relations committee
- Academic Audits (IQAC & ISO)
- Faculty Appraisal committee
- Industry – Institute Partnership
- Library committee

Students' Welfare Committees

- Grievance and Redressal Committee
- Internal Compliance Committee (Anti Sexual Harassment)
- Anti-Ragging Committee
- Prohibition of Alcoholism Cell

DELEGATION OF FINANCIAL POWER

Sl. No.	Category	Chairman / Secretary	Principal	Chief COE / COE	HODs
1	Purchase of apparatus and equipment's, tools and plants, consumables	Full Powers	Up to Rs.1,00,000/-	-	Up to Rs.20,000/-
2	Examination Related	-	-	Up to Rs.5,00,000/-	-
3	Purchase of stationery items	Full Powers	Up to Rs.50,000/-	Up to Rs.50,000/-	-
4	Purchase of books, journals, periodicals and maps	Full Powers	Up to Rs.1,00,000/-	-	-
5	Expenditure on guest lecture, seminar, symposium, FDP, workshop and other academic related activities	Full Powers	Up to Rs.1,00,000/-	-	Up to Rs.10,000/-
6	Expenditure on repair and maintenance of equipment's	Full Powers	Up to Rs.1,00,000/-	-	Up to Rs.20,000/-

GOVERNANCE, INSTITUTIONAL SUPPORT AND FINANCIAL RESOURCES

FINANCIAL – BUDGET ALLOCATION AND UTILIZATION

Items	Budgeted in 2024-25	Actual Expenses in 2024-25 till	Budgeted in 2023-24 (Rs)	Actual Expenses in 2023-24 till (Rs)	Budgeted in 2022-23 (Rs)	Actual Expenses in 2022-23 (Rs)	Budgeted in 2021-22 (Rs)	Actual Expenses in 2021-22 (Rs)
Infrastructure built up	3,30,00,000	2,84,87,363.75	3,00,00,000	2,58,97,603.60	2,50,00,000	2,35,43,276	1,30,00,000	1,23,05,000
Library	33,00,000	29,97,115.25	30,00,000	27,24,650.75	30,00,000	24,76,955.25	20,00,000	19,01,000
Laboratory Equipment	1,65,00,000	1,55,08,818.05	1,50,00,000	1,40,98,925.50	1,30,00,000	1,28,17,205	2,55,00,000	2,54,44,410
Laboratory Consumables	9,35,000	8,88,384.42	8,50,000	8,07,622.20	7,50,000	7,34,202	83,00,000	64,11,014
Teaching and Non-teaching Salary	12,65,00,000	12,29,32,159.5	11,50,00,000	11,17,56,508.60	11,00,00,000	10,15,96,826	7,50,00,000	7,21,16,383
Maintenance and Spares	4,40,000	4,15,440.19	4,00,000	3,77,672.90	3,50,000	3,43,339	2,50,000	1,70,986
R&D	63,80,000	61,77,494.07	58,00,000	56,15,903.70	52,00,000	51,05,367	38,00,000	33,84,000
Training & Travel	6,05,000	5,21,807.66	550000	474370.60	4,50,000	4,31,246	4,00,000	3,53,684
Miscellaneous Expenses	55,00,000	54,71,015	50,00,000	49,73,650	48,00,000	45,21,500	45,00,000	37,27,000
others specify	9,68,00,000	9,47,89,517.35	8,80,00,000	8,61,72,288.50	8,00,00,000	7,83,38,444.15	3,50,00,000	3,18,83,147.2
Total	28,99,60,000	27,81,89,115.99	26,36,00,000	25,28,99,196.4	24,25,50,000	22,99,08,360.4	16,77,50,000	15,76,96,624.2
% of Utilization	95.94%		94.28%		94.79%		94.01%	

GOVERNANCE, INSTITUTIONAL SUPPORT AND FINANCIAL RESOURCES

SUMMARY OF BUDGET & UTILIZATION - DEPARTMENT WISE (AMOUNT IN LAKHS)

DEPT.	2024-25		2023-24		2022-23	
	BUDGET	EXPENSES	BUDGET	EXPENSES	BUDGET	EXPENSES
BME	51	48.24	14	13.36	15	14.89
MCA	47.40	43.35	7	6.31	5	4.80

ADEQUACY OF BUDGET ALLOCATION

- Requirement of the department is considered for the preparation of the annual budget.
- Collect from the laboratory in-charge of the department.
- Budget proposal is finalized by the Head of the Department and submits the proposal of the budget to the Principal
- Governing Body (GB) meeting is recommends the Budget.
- The budget allocated by the institute to the department is adequate to cater the need of the department to upgrade the laboratory in-terms of equipment, consumables, software, computers, maintenance-spares and furniture etc. and for conducting curricular and extra-curricular activities.

UTILIZATION OF ALLOCATED FUNDS

The funds allocated have been well utilized for:

- Developing of lab facilities and upgradation of existing facilities.
- Purchase of equipment's for different labs
- Library resources and internet facilities
- Workshop maintenance and lab consumables.
- Training of Teaching faculty and non-teaching faculty.

STRATEGIC PLAN (2016-2026)



VISION, MISSION AND PROGRAM EDUCATIONAL OBJECTIVES

(Process – formulation & attainment)

Envisioned to transform our institution into a "**Global Centre of Academic Excellence**"

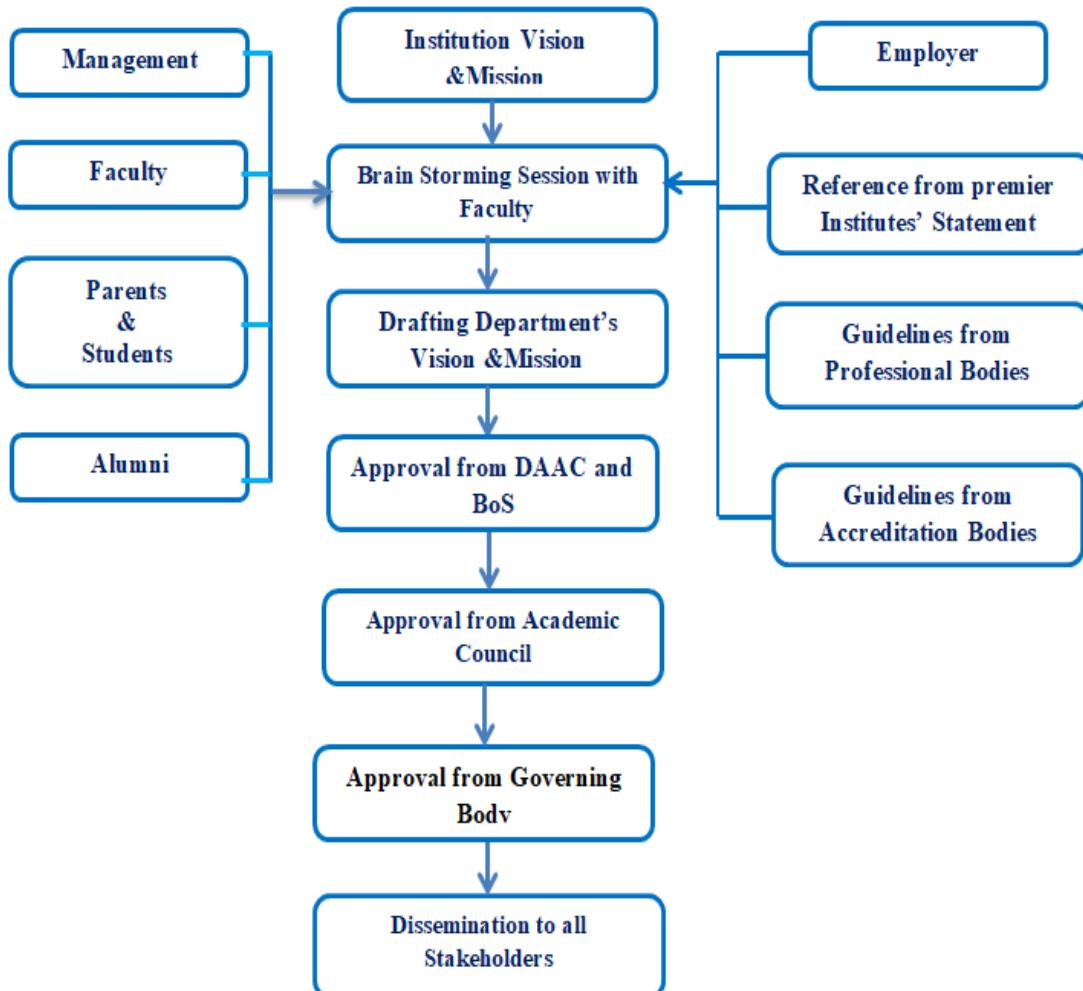


- To provide **world class education** to the students and to bring out their inherent talents
- To establish **state-of-the-art facilities** and resources required to achieve excellence in teaching-learning and supplementary processes
- To have **competent faculty** and staff and to provide opportunity to upgrade their knowledge and skills
- To have regular **interaction with the Industries** in the area of R&D and offer consultancy, training and testing services
- To establish **centers of excellence** in the emerging areas of research
- To offer continuing education and non-formal vocational education programmes that are **beneficial to the society**.

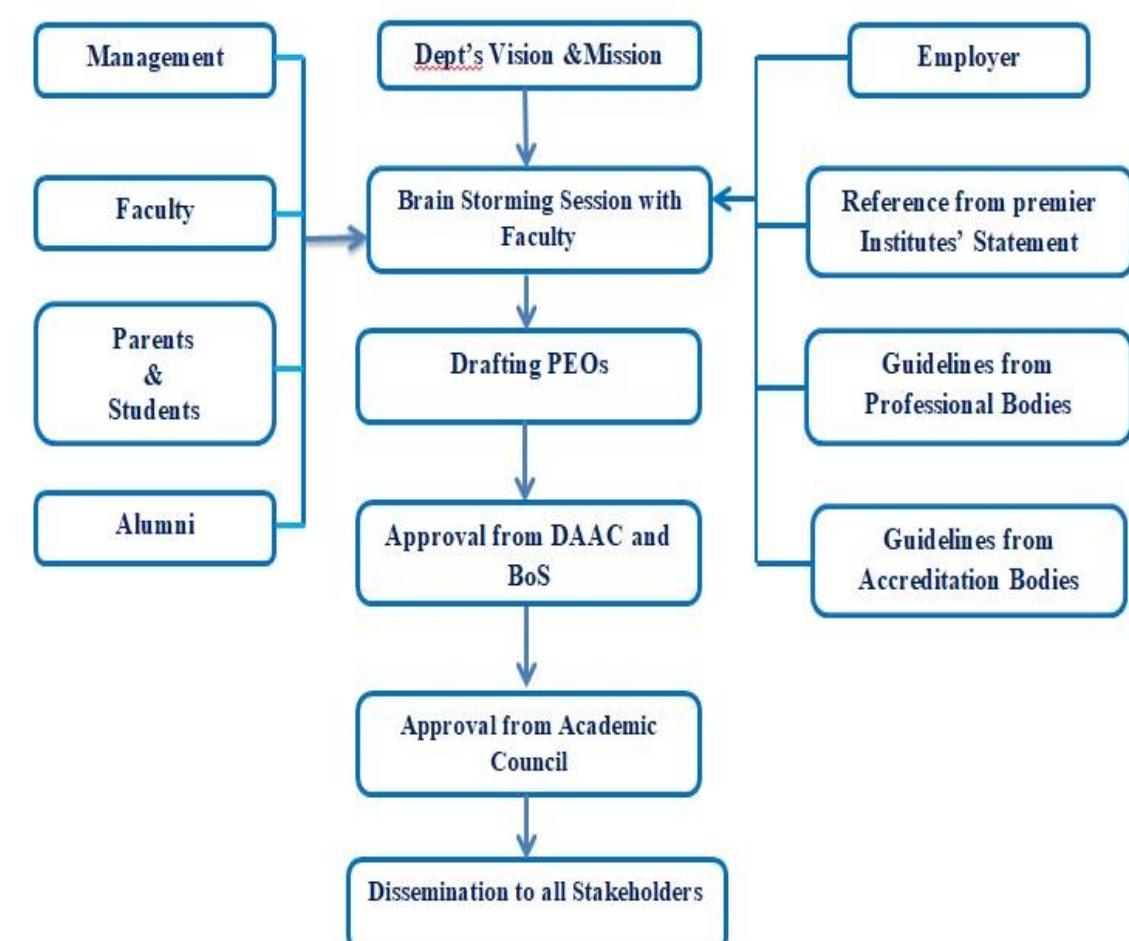
VISION, MISSION AND PROGRAM EDUCATIONAL OBJECTIVES

(Process – formulation & attainment)

PROCESS FOR DEFINING VISION AND MISSION

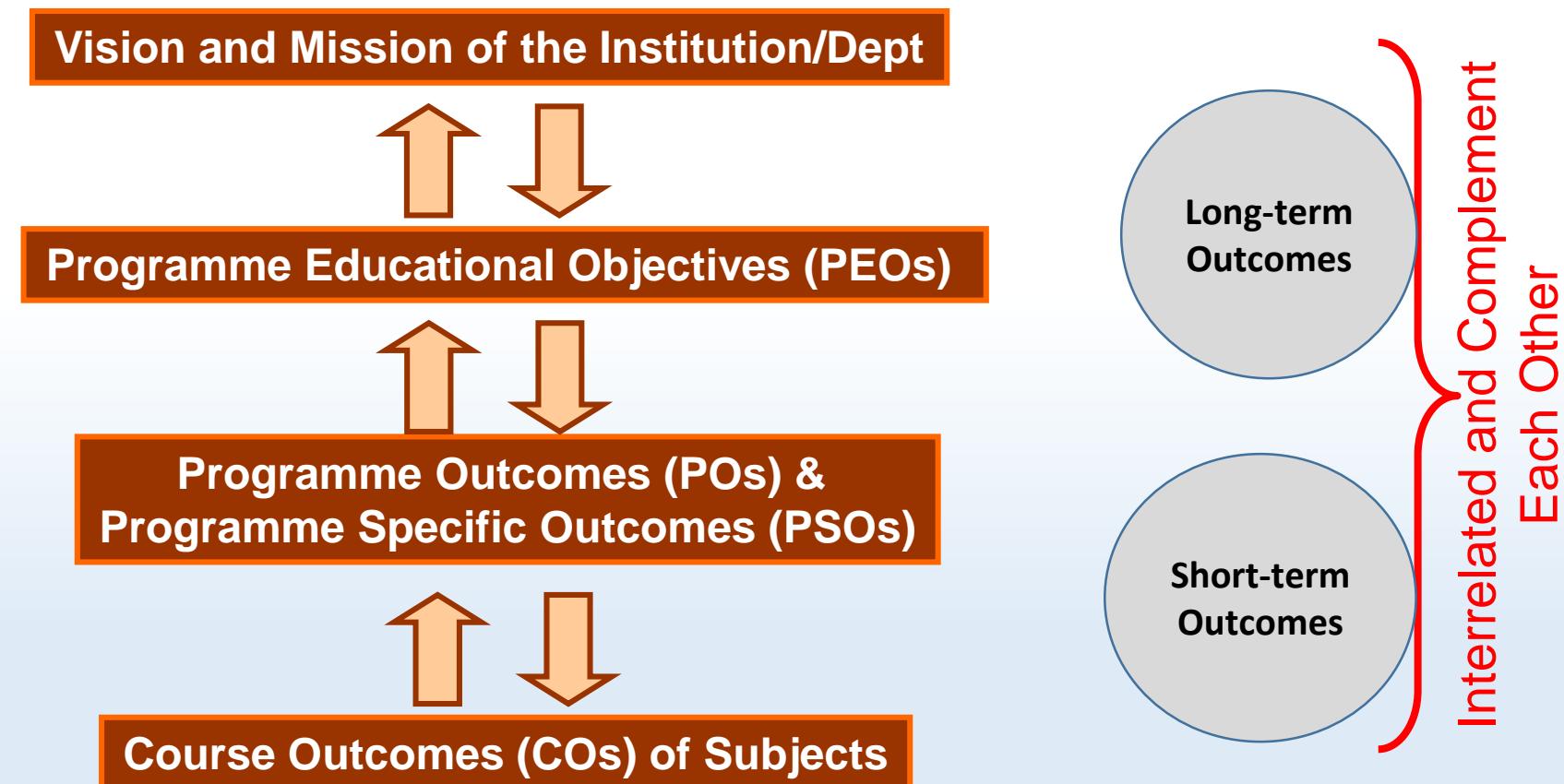


PROCESS FOR DEFINING PEOs



OBE & its Implementation

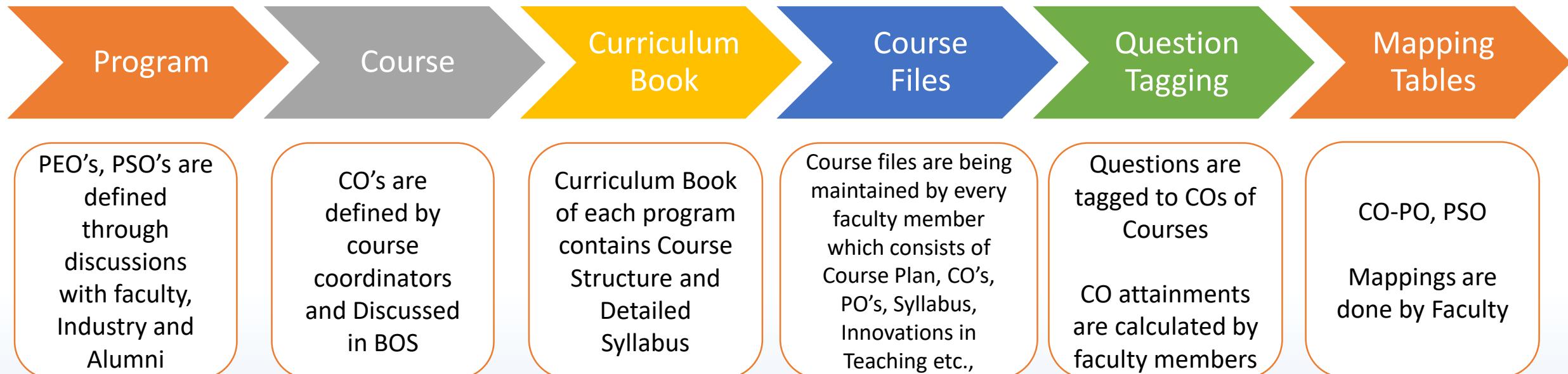
A Model Hierarchy of Outcomes



VISION, MISSION AND PROGRAM EDUCATIONAL OBJECTIVES

(Process – formulation & attainment)

Key components in OBE setup



- Faculty Members Calculate CO attainments of their Courses
- Faculty Enters CO-PO table
- Compute PO/PSO attainments for each program

VISION, MISSION AND PROGRAM EDUCATIONAL OBJECTIVES (Process – formulation & attainment)

Assessment Methods - COs

- **Direct Assessment Methods:**

- ✓ For theory courses: Continuous Assessment Tests – I and II, Activities - Assignment, Tutorial test, Quiz, & End semester exam
- ✓ For theory cum lab & Lab courses: Conduction of Experiments, Practical Assessment Tests – I and II, End semester exam
- ✓ For Project works: Project reviews, Project viva-voce exam

- **Indirect Assessment Methods:** Ascertaining opinion or self-reports

- ✓ Course End survey

❖For COs calculation – 95% weightage to Direct Assessment & 5% weightage to Indirect Assessment

Assessment Methods - POs & PSOs

- **Direct Assessment Methods:**

- ✓ CO-PO & CO-PSO Mappings

- **Indirect Assessment Methods:**

- ✓ Alumni survey
- ✓ Employer survey
- ✓ Graduate Exit survey

❖For POs & PSOs calculation – 80% weightage to Direct Assessment & 20% weightage to Indirect Assessment

