

**DEPARTMENT OF GENERAL ENGINEERING
ACTIVITY REPORT
2021 - 2022**

AWARDS:

❖ **PRODUCING 100 % RESULT**

All the faculty members produced 100 % Result for April 2021 & October 2021 Examinations.

❖ **FACULTY AWARD**

Ms P.Santhi lecturer has received appreciation certificate for question paper setting for Srinivasa Ramanujan Mathematical competitions 2021 conducted by ISTE during the year 2021-2022.



CURRICULUM DEVELOPMENT :

❖ **PROGRAMME ADVISORY COMMITTEE MEETING (PAC)**

Programme Advisory Committee Meeting was held on 17.02.2021 Online Mode at our Institution for Syllabus revision and validation of Department of I YEAR. PAC committee is being conducted every year for syllabus scrutinize and academic activities. Academic experts are member of PAC committee.

❖ APEX COMMITTEE MEETING

Apex Committee Meeting was held on 01.09.2021. The members of all the Departments of PAC and APEX Committee have gone through the present “D” scheme syllabus and approved the same.

❖ ISO AUDIT

ISO 9001: 2015 - Recertification Audit 2020-21 (Online Mode)



- ❖ ISO Recertification Audit has been conducted on 12.04.2021 and 13.04.2021 by DNV –GL to verify the effectiveness of Quality Management System of our Institution

RESULTS:**APRIL – 2021****II SEMESTER**

Sub.Code	Subject	Appeared	Passed	% Pass	Faculty
D201	Communicative English -II	206	206	100	Mr.R.Ayyanathan Ms. S.Uma
D202	Engineering Mathematics – II	206	206	S	Ms. P. Santhi Ms. K. Neelavathi Ms. S. Jayasudha
D203	Engineering Physics –II	206	206	100	Ms.G.Shanthi Mr. S. Balamurugan Ms. P. Gayathri
D204	Engineering Chemistry–II	206	206	100	Dr. H. Parveen Ms. L. Sasikala Ms. G. Senkodi
D205	Engineering Graphics –II	206	206	100	Mr.P.Muthukumarapathy Ms. M. Tamilselvi Mr. R. Natarajan Mr. S.Varadharajan Mr. P. Dhinesh
D206	Engineering Physics –II Practical	206	206	100	Ms.G.Shanthi Mr. S. Balamurugan Ms. P. Gayathri
D207	Engineering Chemistry –II Practical	206	206	100	Dr. H. Parveen Ms. L. Sasikala Ms. G. Senkodi
D208	Basics of Industries and Workshop Practical	206	206	100	Mr. M. Veeramani Mr. R. Manivannan Mr. D. RajKumar
D001	Communication Skill Practical	128	128	100	Mr.R.Ayyanathan Ms.S.Uma
D002	Computer Application Practical	78	78	100	Ms. A. Santhi
	OVERALL			100	

OCTOBER – 2021

I SEMESTER

Sub.Code	Subject	Appeared	Passed	% Pass	Faculty
D101	Communicative English -I	201	201	100	Mr.R.Ayyanathan Ms. S.Uma Ms.R.Ramanidevi
D102	Engineering Mathematics – I	201	201	100	Ms. P. Santhi Ms. K. Neelavathi Ms. S. Jayasudha
D103	Engineering Physics –I	201	201	100	Ms.G.Shanthi Mr. S. Balamurugan Ms. P. Gayathri
D104	Engineering Chemistry–I	201	201	100	Ms. L. Sasikala Ms. G. Senkodi Ms. Manjula
D105	Engineering Graphics –I	201	201	100	Mr.P.Muthukumarapathy Ms. M.Tamilselvi Ms.Bharathi Mr. Kumar Mr. Sriram Prabhu
D106	Engineering Physics –I Practical	194	194	100	Ms.G.Shanthi Mr. S. Balamurugan Ms. P. Gayathri
D107	Engineering Chemistry –I Practical	196	196	100	Ms. L. Sasikala Ms. G. Senkodi Ms. Manjula
D001	Communication Skill Practical	70	70	100	Mr.R.Ayyanathan Ms.S.Uma
D002	Computer Application Practical	121	121	100	Ms. A. Santhi Ms. R.Lalitha
	OVERALL			96.02	

DEPARTMENT ACTIVITIES:

➤ INDUCTION PROGRAMME:

When new students enter an Institution , they come with diverse thoughts , backgrounds and preparation . To help them adjust to the new environment and inculcate in them the ethos of the institution of larger purpose an orientation programme called Induction Programme was conducted for one week from 06.09.2021 to 11. 09 .2021.

Normal classes started only after the Induction Programme is over . Its purpose is to make the students feel comfortable in the new environment , create bonding in the batch as well as between the faculty and students.



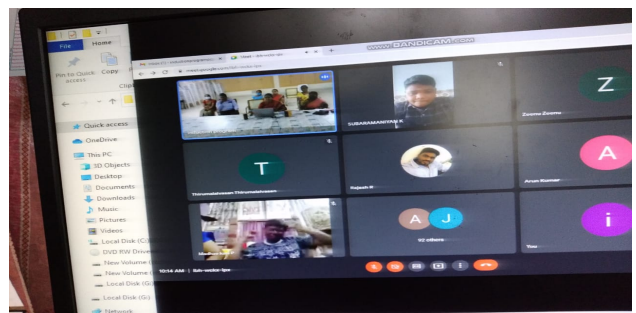
The Principal addressing the students



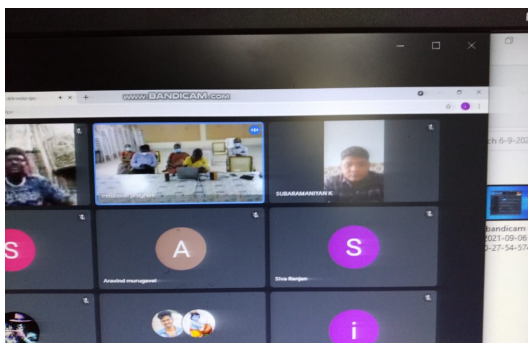
HOD/I year addressing the students



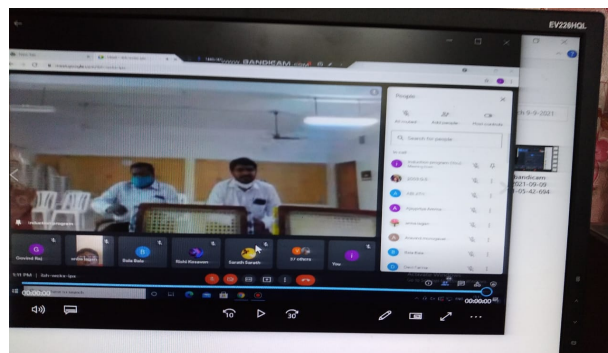
Mr. R. Ayyanathan Sr.Lec/English gave a Lecture about personality development



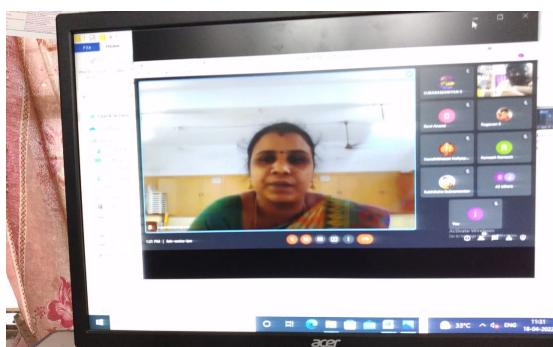
Ms.P.Santhi,Lecturer (S.S)/Maths conducted special session on 'Creative Puzzles'



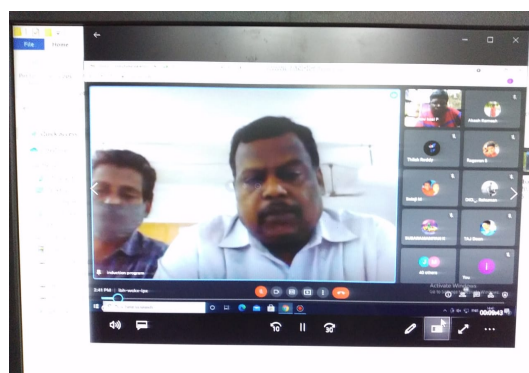
Lt.K.Neelavathi gave the awareness about NCC



Guest Lecture on 'Adolescent difficulties' was conducted by Mr.R.Ayyanathan



A Lecture on 'Creative Projects' by Ms.G.Senkodi, Lecturer/Chemistry.



Guest Lecture on 'Problem solving' by Mr.R.Ayyanathan, Placement officer

❖ GUEST LECTURES

Sl.No	Date	Topics	Resource Persons
1	8.9.2021	Adolescent difficulties	Mr.R.Ayyanathan Sr. Lecturer/English PCPC, Vallam
2	7.5.2022	Communication Skill	Dr.R.S Baskaran Asst Professor/ English Umar Muktha University, Libiya

❖ **CAREER GUIDANCE PROGRAMME**

Sl.No.	Year	Date	Topics	Resource Person
1	I Year	7.9.2021	Personality Development Programme	Mr. R. Ayyanathan Sr. Lecturer/English PCPC, Vallam.

PERIYAR TECHNO EXPO - 2022

- The following students participate and display their Project under Periyar Techno Expo 2022 held on 09.05.2022





S.NO	PROJECT TITLES	NAME OF THE STUDENT
1	RADAR USES OF ARDUINO UNO	RAJESH KUMAR.S.A
		VIJAY.K
		SIVARANJAN.S
		ABIYOGARAJ.R
2	WATER LEVEL INDICATOR	HARAN RAMESH
		MOHAMED HISSAM.S
		SURENDAR.M
		GANESH PANDIYAN.P
		VIKRAM.S
3	RAIN WATER ALARM	VIKRAM.S
		GANESH PANDIYAN.P
4	VALCANO	PRAVENA.R
		TEJA SUBHIKSHA.C.S
		ANGELINE RACHEAL.D
		SATHIYASRI.M
5	SMOKE AND GAS DETECTOR ALARM	DHANUSH LIBISON.A
		THANNAYIRAMOORTHY.S
		BALASRI.P
		KISHORE KUMAR.G
		MOHAMED ARSATH.B
		YOGESHWARAN.E
6	FREE GAS FROM PETROL AND WATER	SANJAY BALAJI.RK
		REVANTH.R
		BHARATH.S
		MOHAMED SALMAN.B
		SHEIK ASRAFE.S
7	AUTOMATIC STREET LIGHT	MARTIN SAHAYARAJ.
		BALAMURUGAN.S
		MOHAMED AJFAR.H
		KALAI SELVAM.A
8	LAVA LAMP	SRI SAKTHI SARAVA.M
		SHANMUGASUNDARAM.S
		VEERAN LENIN.P
		SANJAY.S
9	EARTH QUAKE ALARM	VIGNESH.S
		VARUN KUMAR.E
		SARAN KUMAR.J
10	WATER DISPENSION	DEVARAJAN.A
		ABDUL KAREEM.N
		ADITHYA.M
		DHAMU.R
		AKASH.C
11	AND GATE PROJECT	GOWRI SHANKAR.K
		KISHORE.A
		ABJIITH.M
		MANIKANDAN.M
12	POWER GENERATOR	JANARTHANAN.M
		KALAIYARASAN.K
		BALAJI.M
13	CLEANING ROBO	MUTHUKUMARAN.M
		PRAVEEN.R
		GILBERT.P

❖ SPORTS

In I Year General Engineering 34 students participated at various events conducted at our Polytechnic and won prizes .

S.No	Player's Name	Dept.	Name of the Event	Date	Possession
1	S.Barath kumar	ARCH	Volley ball	22.03.2022	Winner
			Kabaddi	23.03.2022	Runner
			100 Mts Running	29.03.2022	1 Place
2	M. Mohamed Anas	ARCH	Volley ball	22.03.2022	Winner
3	R. Yuvarsri	ARCH	Kho-kho	25.03.2022	Runner
4	G.Rathipriya	ARCH	Kho-kho	25.03.2022	Runner
			4x100 mts Relay	30.03.2022	Second place
5	S.Devi	ARCH	4x100 mts Relay	30.03.2022	Second place
6	L.Bhavadharshini	ARCH	Kho-kho	25.03.2022	Runner
7	G.Nandhakumar	CIVIL	Volley ball	22.03.2022	Winner
8	S.Mohamed Hisam	CIVIL	Kho kho	22.03.2022	Winner
9	S.Syed Rahuman	CT	Volley ball	22.03.2022	Winner
10	M.Suriya Narayanan	CT	Volley ball	22.03.2022	Winner
11	D.Angeline Rachel	CT	Ball badminton	24.03.2022	Winner
			Volley ball	25.03.2022	Runner
12	N.Biruntha	CT	Volley ball	25.03.2022	Runner
			Kho-Kho	25.03.2022	Runner
			Throw ball	24.03.2022	Winner
			Ball badminton	24.03.2022	Winner
13	R. Praveena	CT	Kho-Kho	25.03.2022	Runner
			Shot-put	30.03.2022	Second place
			4X100 mts Relay	30.03.2022	Second place
14	M. Sheik Sawfan	ECE	Volley ball	22.03.2022	Winner
15	M.Mohamed Irsath	ECE	Volley ball	22.03.2022	Winner
16	V. Abisheik	ECE	Kabaddi	23.03.2022	Runner
			Volley ball	22.03.2022	Winner
17	R. Ajay	ECE	Kabaddi	23.03.2022	Runner
18	M.Anbu	ECE	Kho kho	22.03.2022	Winner

19	M. Surendhar	ECE	Kho kho	22.03.2022	Winner
20	P. Balasri	EEE	Volley ball	22.03.2022	Winner
21	V. Kishore	EEE	Volley ball	22.03.2022	Winner
22	A. Irudhayaroffin	EEE	Kabaddi	23.03.2022	Runner
			Kho kho	22.03.2022	Winner
23	M. Muthukumaran	EEE	Kho kho	22.03.2022	Winner
24	Y. lenin Prasanna	MECH	Volley ball	22.03.2022	Winner
25	D. Mohanraj	MECH	Volley ball	22.03.2022	Winner
26	K. Gowrisankar	MECH	Kabaddi	23.03.2022	Runner
27	S.Vijay	MECH	Kabaddi	23.03.2022	Runner
28	K. Kalaiyaran	MECH	Kabaddi	23.03.2022	Runner
29	T. Abisheik	MECH	Kabaddi	23.03.2022	Runner
30	R. Vairavan	MECH	Kabaddi	23.03.2022	Runner
31	A. Kishore	MECH	Kabaddi	23.03.2022	Runner
32	K.G. Guruprasath	MECH	Kabaddi	23.03.2022	Runner
33	K. Sundharesan	MECH	Kabaddi	23.03.2022	Runner
34	Veeran Lenin	MECH	100 mts Running	29.03.2022	Second Place

❖ INTERNATIONAL YOGA DAY

Our students participated Yoga day celebrated on 21.06.2022.



❖ **ENVIRONMENT DAY**

Environment Day function at our Polytechnic Campus Students participated on 05.06.2022.



❖ **PARENT – TEACHERS MEETING**

Parents Teachers meeting was organized on 20.05.22. Feedback forms were collected and analysed. 170 parents have attended the meeting. They were informed about their marks, Academic Performance, Attendance Particulars and also about the coaching classes conducted to the failure students



Principal addressing the Parents of First year



Principal addressing the students of I Year



Ms. G. Shanthi / HOD First year addressed to the Parents



Mr. S. Michael raj/ Students Counselor addressed to the Parents



Mr. R. Ayyanathan / Placement Officer addressed to the Parents



Social Media awareness programme conducted by Mr. Narayanan HOD / C. Sc of PMIST



Parents meeting Class In- charges of First year

CURRICULUM GAP IDENTIFIED AND PROGRAMME ARRANGED-2021-2022

Sl.No	Course	Curriculum Gap	Action Taken
I SEMESTER			
1	Communication English - I	Lack of Grammar knowledge	Guest Lecture
2	Engineering Mathematics – I	Basic formulas	Bridge course
3	Engineering Physics –I	Basic concepts	Bridge course
4	Engineering Chemistry–I	Basic concepts	Bridge course
5	Engineering Graphics –I		
6	Engineering Physics –I Practical	Conversion of units	U – Tube video
7	Engineering Chemistry –I Practical	Basic concepts of molecular formula	U – Tube video
8	Communication Skill Practical	Reading skill & Writing skill	Newspaper, cursive writing practice
9	Computer Application Practical	Internet	seminar
II SEMESTER			
1	Communicative English– II	Lack of Grammar knowledge	Guest Lecture
2	Engineering Mathematics – II	Application of maths	seminar
3	Engineering Physics –II	Basic concepts of heat, semiconductor, Non conventional energy sources	Seminar & Mini projects.
4	Engineering Chemistry–II	Basic concepts of Electrochemistry, corrosion, Water Technology.	Seminar & Mini projects.
5	Engineering Graphics –II		
6	Engineering Physics –II Practical	Spectrometer, Travelling microscope, Basic readings	U – Tube video
7	Engineering Chemistry –II Practical	Basic concepts of ligands	U – Tube video
8	Basics of Industries and Workshop Practical		Video

ITEM NO. 10 OTHER PROGRAMMES

**Programme : ELECTRONICS AND COMMUNICATIONS
ENGINEERING**

Total No.of feedback

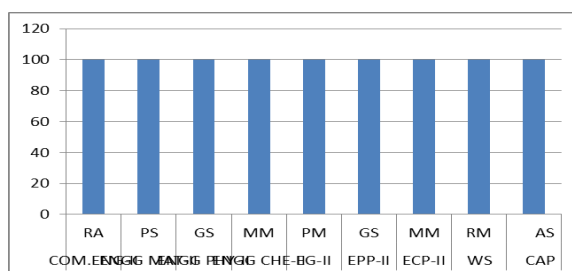
**Year/Sem : I/II
Date:09.05.2022**

collected: 17

	COURSE NAME COURSE HANDLED BY	COM.ENG-II	ENGG MAT-II	ENGG PHY-II	ENGG CHE-II	EG-II	EPP-II
		RA	PS	GS	MM	PM	GS
1	A.COURSE AVERAGE (%)	100	100	100	100	100	100
2	B.DELIVERY OF INSTRUCTIONS -THEORY COURSE (%) B.DELIVERY OF INSTRUCTIONS -PRACTICAL COURSE (%)	100	100	100	100	100	100
3	C.ASSESSMENT AVERAGE (%)	100	100	100	100	100	100
	Total	300	300	300	300	300	300
	Average (in %)	100	100	100	100	100	100
NOTE:		EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT

Above 95 % - Excellent -
Action for sustenance
90% -95% - Very Good
Corrective action to be taken
85% - 90% - Good -
Immediate corrective action
required
Below 85% - Satisfactory

Student's Suggestions:NIL



Programme : ELECTRICAL AND ELECTRONIC ENGINEERING

Total No.of feedback collected: 39

Year

Date

	COURSE NAME COURSE HANDLED BY	COM.ENG-II	ENGG MAT-II	ENGG PHY-II	ENGG CHE-II
		SU	PS	PG	GS
1	A.COURSE AVERAGE (%)	95	95	96	95
2	B.DELIVERY OF INSTRUCTIONS -THEORY COURSE (%)	95	94	95	95

	B.DELIVERY OF INSTRUCTIONS - PRACTICAL COURSE (%)				
3	C.ASSESSMENT AVERAGE (%)	96	95	96	96
	Total	286	284	287	286
	Average (in %)	95	95	96	95
NOTE:		VERY GOOD	VERY GOOD	EXCELLENT	VERY GOOD

Above 95 % - Excellent - Action for sustenance
90% -95% - **Very Good** - Corrective action to be taken
85% - 90% - **Good** - Immediate corrective action required
Below 85% - **Satisfactory** -Report to the Principal

Student's Suggestions:

NIL

Item No.11 STAFF DEVELOPMENT PROGRAMMES

➤ **STAFF TRAINING**

The following staff members of I Year have attended the NITTTR programme and have got participation Certificates.

S.No.	Faculty Name	Subject	Topic	date	Venue
1.	Ms. L.Sasikala	Chemistry	“Outcome based assessment”	09.08.2021 To 13.08.2021	Through online
2	Ms. K.Neelavathi	Maths	Counselling for student development	13.09.2021 To 17.09.2021	Through online
3.	Ms .P.Sanathi	Maths	Mentoring & Counselling Skills For Teachers	04.10.2021 To 08.10.2021	Through online
4.	Ms.G.Senkodi	Chemistry	“Life Skill Development”	22.11.2021 To 26.11.2021	Through online
5	Mr. R. Ayyanathan	English	AICTE on “Inculcating Universal Human values in Technical	28.02.2022 To 04.03.2022	Through online
6	Mr. S. Michael Raj	Engineering Graphics	AICTE on “Inculcating Universal Human values in Technical	28.02.2022 To 04.03.2022	Through online
7.	Ms .P.Sanathi	Maths	AICTE on “Inculcating Universal Human values in Technical	28.03.2022 To 01.04.2022	Through online

Item No.12 Extra Curricular Activities

❖ NATIONAL SERVICE SCHEME (NSS)

- Our department students participated various NSS programmes –
 - Awareness Rally
 - Campus Cleaning
- Awareness Programme Covid -19 Injection Camp



ENROLLMENT

NCC:

- 08 Girl cadets are enrolled for the academic year 2021 – 2022
- 15 Boy cadets are enrolled for the academic year 2021– 2022

NSS:

- 05 Girl students are enrolled for the academic year 2021 – 2022
- 73 Boy Students are enrolled for the academic year 2021– 2022

ITEM NO. 13 ANY OTHER POINT TO BE RAISED BY THE MEMBERS

PERIYAR CENTENARY POLYTECHNIC COLLEGE

Periyar Nagar - Vallam - 613 403 - Thanjavur, Tamil Nadu

VISION

Periyar Centenary Polytechnic College aspires to be recognized as one of the leaders in imparting quality technical education and strives to prepare rural students with excellent technical and life skills for the benefit of the stakeholders and society at large.

MISSION

- M1:** To impart quality technical education to the students and equip them with knowledge, skills and attitudes that will lead to successful employment in industry/business, entrepreneurship and higher education.
- M2:** To provide conducive learning environment and adopt well structured teaching – learning practices to make the students technically competent.
- M3:** To strengthen the collaboration with industry and community for career development, placement and extension services.
- M4:** To develop the personality of the students and identify themselves as good individuals, professionals and responsible citizens with ethical values.
- M5:** To inculcate lifelong learning skills to face challenges with innovations.

PROGRAMME OUTCOMES (POs)

- 1. Basic and Discipline specific knowledge:** Apply knowledge of basic mathematics, science and engineering fundamentals and engineering specialization to solve the engineering problems.
- 2. Problem analysis:** Identify and analyse well-defined engineering problems using codified standard methods.
- 3. Design/ development of solutions:** Design solutions for well-defined technical problems and assist with the design of systems components or processes to meet specified needs.
- 4. Engineering Tools, Experimentation and Testing:** Apply modern engineering tools and appropriate technique to conduct standard tests and measurements.
- 5. Engineering practices for society, sustainability and environment:** Apply appropriate technology in context of society, sustainability, environment and ethical practices.
- 6. Project Management:** Use engineering management principles individually, as a team member or a leader to manage projects and effectively communicate about well-defined engineering activities.
- 7. Life-long learning:** Ability to analyse individual needs and engage in updating in the context of technological changes.

DEPARTMENT OF MODERN OFFICE PRACTICE

VISION

Envisions to provide excellent and value based commerce education.

MISSION

- M1:** To impart commerce education and training through constant updated curriculum.
- M2:** To provide an effective ambience for Teaching Learning Practice.
- M3:** To strengthen soft skills of rural bound students through Co-curricular and extra curricular activities.
- M4:** To provide for holistic and value based development of students by inculcating the habit of lifelong learning.

PROGRAMME EDUCATIONAL OBJECTIVES (PEOs)

- PEO1:** Our Diploma graduates will have the ability to create the students with required levels of competence for employment, self-employment and also for higher education in Commerce and Business Studies.
- PEO2:** Our Diploma graduates will be able to analyze and identify customer requirements in multidisciplinary domains.
- PEO3:** Our Diploma graduates will be able to involve actively in enterprises and services at all levels by gaining knowledge and skills.

PROGRAMME SPECIFIC OUTCOMES (PSOs)

- PSO1:** Understand the basic elements of Commerce , Economics, Banking, Marketing and Accounting Aspects.
- PSO2:** Develop the professional skill of Typewriting and Computer Applications.
- PSO3:** Empowering students with all knowledge and guidance that they need to become management professional.

OUTCOME BASED EDUCATION (OBE)

Our institution is practicing Outcome Based Education (OBE) which is a student centered instruction model that focuses on measuring student performance through outcomes. Outcomes include knowledge, skills and attitudes.

In the OBE model, the required knowledge and skill sets for a particular diploma programme is predetermined and the students are evaluated for all the required parameters (Outcomes) during the course of the program.

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

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

Program Educational Objectives (PEO) are broad statements that describe the career and professional accomplishments that the program is preparing the graduates to achieve. PEO's are measured 4-5 years after graduation. Program Specific Outcomes(PSO) are the statements that describe what the graduates of specific engineering program should be able to do.

Program Outcomes (PO) are narrower statements that describe what students are expected to know and be able to do by the time of graduation. Course Outcomes(CO) are the measurable parameters which evaluates each students performance for each course that the student undertakes in every semester.

The teaching learning process and assessment are being carried out in accordance with the revised Bloom's Taxonomy. According to revised Bloom's taxonomy, the levels in cognitive domain are as follows:

Level	Descriptor	Level of attainment
1	Remembering	Recalling from memory of previously learned material
2	Understanding	Explaining ideas or concepts
3	Applying	Using information in another familiar situation
4	Analysing	Breaking information into part to explore Understandings and relationships
5	Evaluating	Justifying a decision or course of action
6	Creating	Generating new ideas, products or new ways of Viewing things

S.NO	PROJECT TITLES	NAME OF THE STUDENT
1	RADAR USES OF ARDUINO UNO	RAJESH KUMAR.S.A
		VIJAY.K
		SIVARANJAN.S
		ABIYOGARAJ.R
2	WATER LEVEL INDICATOR	HARAN RAMESH
		MOHAMED HISSAM.S
		SURENDAR.M
		GANESH PANDIYAN.P
		VIKRAM.S
3	RAIN WATER ALARM	VIKRAM.S
		GANESH PANDIYAN.P
4	VALCANO	PRAVENA.R
		TEJA SUBHIKSHA.C.S
		ANGELINE RACHEAL.D
		SATHIYASRI.M
5	SMOKE AND GAS DETECTOR ALARM	DHANUSH LIBISON.A
		THANNAYIRAMOORTHY.S
		BALASRI.P
		KISHORE KUMAR.G
		MOHAMED ARSATH.B
		YOGESHWARAN.E
6	FREE GAS FROM PETROL AND WATER	SANJAY BALAJI.RK
		REVANTH.R
		BHARATH.S
		MOHAMED SALMAN.B
		SHEIK ASRAFE.S
7	AUTOMATIC STREET LIGHT	MARTIN SAHAYARAJ.
		BALAMURUGAN.S
		MOHAMED AJFAR.H
		KALAI SELVAM.A
8	LAVA LAMP	SRI SAKTHI SARAVA.M
		SHANMUGASUNDARAM.S
		VEERAN LENIN.P
		SANJAY.S
9	EARTH QUAKE ALARM	VIGNESH.S
		VARUN KUMAR.E
		SARAN KUMAR.J
10	WATER DISPENSION	DEVARAJAN.A
		ABDUL KAREEM.N
		ADITHYA.M
		DHAMU.R
		AKASH.C
11	AND GATE PROJECT	GOWRI SHANKAR.K
		KISHORE.A
		ABJIITH.M
		MANIKANDAN.M
12	POWER GENERATOR	JANARTHANAN.M
		KALAIYARASAN.K
		BALAJI.M
13	CLEANING ROBO	MUTHUKUMARAN.M
		PRAVEEN.R
		GILBERT.P