

**PONDICHERRY ENGINEERING COLLEGE  
PUDUCHERRY**

**ACADEMIC AND OTHER ACTIVITIES FOR THE YEAR 2019-2020**

**I. ACADEMIC ACTIVITIES**

**i. ADMISSIONS**

**1. UG COURSE (B.Tech):**

A total of **458/480** students were admitted to various engineering branches of the College through the Centralised Admission Committee (CENTAC). **47** students (12 in Civil, 7 each in ME and ECE, 6 each in EEE and CSE, 5 in EIE, 3 in IT and 1 in Chemical Engg.) were admitted under the Lateral Entry Scheme based on their performance in the Diploma Examinations.

**135** students were admitted through **JoSAA** and **62** students were admitted through Self-supporting basis against the sanctioned intake of 240.

**2. PG COURSES:**

Out of the total number of **285** seats, **101** students were admitted in which **16** in M.Tech- Information Security, **15** each in M.Tech - Structural Engineering and M.Tech-PDM, **12** in MCA, **11** in M.Tech-Environmental Engineering, **10** in M.Tech(ECE), **7** in M.Tech (EDC), **4** each in M.Tech (Energy Technology), M.Tech (Distributed Computing Systems) and M.Tech (Wireless Communication), and **3** in M.Sc (Material Science)

The admission to the PG programmes were made on the basis of their performance in the Entrance Examination in the respective PG programmes conducted by the Institute.

Out of a total number of **593** students admitted to the Pondicherry Engineering College in 2019-2020 to B.Tech programmes, 447 are boys and 146 are girls.

Out of a total number of **101** students admitted to PEC in PG Programmes, 55 are boys and 46 are girls.

ii. **STUDENTS PERFORMANCE IN UG PROGRAMMES**

The following is a brief summary of the examination results of students of Pondicherry Engineering College, based on examinations conducted in April/May 2020.

The overall pass percentage of final year B.Tech students was 73.32%.

The overall pass percentage of 3<sup>rd</sup> year B.Tech students was 58.96%.

The overall pass percentage of 2<sup>nd</sup> year B.Tech students was 54.55%.

The overall pass percentage of 1<sup>st</sup> year B.Tech students was 61.88%

<b>Branch</b>	<b>Total Appeared</b>	<b>Passed</b>	<b>% of pass</b>
<b>FINAL YEAR (B.Tech.)</b>			
Civil Engineering	61	39	64.62
Mechanical Engineering	69	45	65.75
Electronics & Communication Engg.	68	53	78.08
Computer Science Engg.	70	58	82.19
Electrical & Electronics Engg.	68	55	80.28
Chemical Engineering	22	17	76
Electronics & Instrumentation Engg.	55	34	61.67
Information Technology	57	44	77.97
<b>THIRD YEAR (B.Tech.)</b>			
Civil Engineering	71	39	54.02
Mechanical Engineering	70	32	45.21
Electronics & Communication Engg.	70	42	60.27
Computer Science Engg.	73	46	62.67
Electrical & Electronics Engg.	70	40	56.58
Chemical Engineering	56	30	53.33
Electronics & Instrumentation Engg.	50	30	59.26
Information Technology	50	40	80.39
<b>SECOND YEAR (B.Tech.)</b>			
Civil Engineering	71	28	39.19
Mechanical Engineering	72	37	51.39
Electronics & Communication Engg.	70	42	59.72
Computer Science Engg.	71	46	64.38
Electrical & Electronics Engg.	68	38	56.52
Chemical Engineering	48	25	51.02
Electronics & Instrumentation Engg.	57	29	51.67
Information Technology	55	34	62.5
<b>FIRST YEAR (B.Tech.)</b>	<b>554</b>		<b>61.88</b>

### iii. STUDENTS PERFORMANCE IN PG PROGRAMMES

Branch	Total Appeared	Passed	% of pass
M.Tech (SE)	24	17	70.83
M.Tech (EE)	16	16	100
M.Tech (ET)	4	4	100
M.Tech (PDM)	12	11	91.67
M.Tech (ECE)	24	24	100
M.Tech (WC)	7	7	100
M.Tech (DCS)	22	21	95.45
M.Tech (IS)	16	15	93.75
M.Tech (EDC)	7	6	85.71
M.Tech (IT)	5	5	100
M.Tech (IE)	0	0	0
MCA	35	31	88.57

### iv. SCHOLARSHIP

267 applications for obtaining various Scholarships as detailed below under Direct Central Assistance for the academic year 2019-2020 has been forwarded to the respective departments.

- Post Matric Scholarship to SC students, Adi-Dravidar Welfare Dept., Govt. of Puducherry – **100 students.**
- Dr.B.R.Ambedkar Financial Assistance to SC students, Adi-Dravidar Welfare Dept., Govt. of Puducherry – **41 students.**
- Central Sector Scholarship Scheme (Directorate of Higher & Technical Education, Government of Puducherry) – **2 students.**
- Prime Minister Scholarship Scheme for Central Armed Police Forces and Assam Rifles – **3 students**
- Post Matric Scholarship Schemes for Minorities CS – **9 students**
- Merit-cum-Means Scholarship for Professional and Technical Courers CS – **15 students**
- Post Matric Scholarship for students with disabilities – **2 students**
- Umbrella scheme for education of ST children – Post Matric Scholarship (PMS) for ST students Arunachal Pradesh – **2 students**
- National Fellowship for OBC students-UGC – **1 student**
- Puducherry Building and other Construction Workers Welfare Board – **8 students**
- Maulana Azad National Fellowship-UGC – **1 student**
- Rajiv Gandhi National Fellowship for SC students – **1 student**
- Prime Minister Scholarship for wards of Ex-servicemen – **1 student**
- Scholarship for Hr. Tech. Prof. Edn. By Southern Railway, GOI – **1 student**

- Indira Gandhi Single girl child scholarship – **1 student**
- Pragati Scholarship, AICTE – Scholarship Scheme for girl child – **51 students**
- Puducherry State Waqf Board Scholarship – **4 students**
- Siemens Scholarship – **13 students**
- Pondicherry Police Welfare Society Scholarship – **4 students**
- BSNL Departmental Scholarship – **2 students**

## **II STUDENTS' COUNCIL ACTIVITIES**

### **A. INVITED LECTURES**

**13** invited lectures were arranged by various departments during the year 2019-20, the details of which are given below:

#### **Department of Civil Engineering**

<b>Sl. No.</b>	<b>Lecture By</b>	<b>Topic</b>	<b>Date</b>

#### **Department of Mechanical Engineering**

<b>Sl. No.</b>	<b>Lecture By</b>	<b>Topic</b>	<b>Date</b>
01.	Er. N. RAVIPRAKASH [Senior Scientist, Plasma Research Gujarat, India	Mechanical Students council inauguration	25 <sup>th</sup> July 2019
02.	Dr. VIJAYABASKAR NARAYANAMURTHY, Scientist – F, Research Centre IMARAT (DRDO) Dr. APJ Abdul Kalam Missile complex, Hyderabad.	Research in DRDO	13.09.2019
03.	Mr. S. Vivek, Managing Director, Acheron Software, Hyderabad.	The 3L's shaped my life (from student to an Entrepreneur)	01.10.2019

### **Department of Electronics and Communication Engineering**

<b>Sl. No.</b>	<b>Lecture By</b>	<b>Topic</b>	<b>Date</b>
01.	Mr. A. Gouroubalane Principal Engineering Manager, Microsoft, USA. Mr. Muthukumaravelu Velayoudame, Senior hardware Engineering Manager, Apple Inc, USA.	<b>ECE Students' Council Inauguration</b>	<b>25.07.2019</b>
02.	Mr. Sarat Chandra Rodin B.Tech ECE Alumnus	Interactive session with students related to GATE, GRE and Placement activities	23.09.2019

### **Department of Electrical and Electronics Engineering**

<b>Sl. No.</b>	<b>Lecture By</b>	<b>Topic</b>	<b>Date</b>
01.	<b><u>Inauguration of EEE Students' Council</u></b> Dr. Brahmaiah Mohanty, Regional Adviser for Asis, French Environment and Energy Management Agency, ADEME, France	People- Smart Cities for Social Inclusion, Economic Development & Environmental Sustainability	30 <sup>th</sup> August 2019

### **Department of Electronics and Instrumentation Engineering**

<b>Sl. No.</b>	<b>Lecture By</b>	<b>Topic</b>	<b>Date</b>
01.	Mr. Ram Siva Linga Alumini(2010 batch)	Career after college	16 <sup>th</sup> September 2019
02.	Mr Austin Chungath Vincent (2007 - 11), Principal Technical Architect, HummingBird Technologies, London	Expectations in BIG data industries	3rd March 2020

### Department of Computer Science Engineering

Sl. No.	Lecture By	Topic	Date
01	Nandha Infotech, Coimbatore	Hands-on Workshop on Game Development & Augmented Reality	11/10/2019 and 12/10/2019
02	Mr.Bhaskar, BOSS360, creative Labs	Hands-on Workshop on Machine Learning using PYTHON	31/01/2020 and 01/02/2020
03	Dr. R.Vijayarajeswaran. Vi Microsystems Pvt. Ltd., Chennai	Guest Lecture	11/02/2020

### Department of Information Technology

Sl. No.	Lecture By	Topic	Date

### Department of Chemical Engineering

Sl. No.	Lecture By	Topic	Date
01.	Mr R.Kadamban Asst General Manager , Solara Active Pharma Sciences, <b>Puducherry.</b>	Pharmaceutical Industries: A Global Perspective	<b>20/09/2019</b>
02.	Prof Ravindra Gudi Professor & Head Dept. of Chemical Engg IIT, Mumbai	Advances in Batch Manufacturing	<b>10/1/2020</b>

### **B. SPORTS, CULTURAL & CO-CURRICULAR ACTIVITIES**

PECOFES 2020 - All India Inter Collegiate Cultural and Literary extravaganza, organized by the student council of Pondicherry Engineering College every year to promote the spirit of competition among the college youth. This year PECOFEs was conducted on 28th and 29th February 2020 in different venues of Pondicherry Engineering College. Kalaimamani Prof.Dr.G.Gnansambandan, Professor Emeritus, Thyagarajar College, Madurai was the Chief

Guest. He inaugurated the cultural festival. Totally 27 events were conducted on two days which include Solo dance, Solo singing, Variety variety, Choreo night, Group concert, Photography, Short film, Meme mania, Tadoo art, Rangoli, Mehandi, Adaptunes, Bot race, Adzap, Quiz and Write the climax. 826 students from 24 institutions belonging to various regions had participated in the competitions.

Mr.Veeraraja – Final year B.Tech Chemical and Ms.Punitha – Final year B.Tech CSE represented Pondicherry State team and they secured 1<sup>st</sup> place South India Zonal level Attayapattaia championship (M&W) Tournament organized by Orissa State.

Dr. A.P.J. ABDUL KALAM Memorial Tennis-ball Inter Collegiate **Cricket** Tournament (Men) 2020 organized by Tagore Arts & Science College sponsored by DHTE. Our PEC staff team secured 1<sup>st</sup> place.

### **PSGCM 2020**

Department of Higher and Technical Education, Government of Puducherry organized Puducherry Sports, Games and Cultural meet PSGCM-2020 from 01-02-2020 to 08-02-2020 in Puducherry and Karaikkal.

Pondicherry Engineering College conducted 13 Cultural events and around 28 colleges/853 students participated in the events.

302 students from PEC participated in 58 Games, Sports and Cultural events. Our students S.Veeraraja B.Tech (Chemical) IV Year represented the state of Puducherry in 34<sup>th</sup> Men Senior National Atya Patya organized by Maharashtra Rajya Atya Patya Mahamanda, held at Shegaon (Maharashtra) from 13<sup>th</sup> to 15<sup>th</sup> December 2019 and he secured 1<sup>st</sup> place. For this tournament more than 30 States were actively participated from our country.

**Punitha** B.Tech - IV Year represented the state of Puducherry in the 30<sup>th</sup> Women Senior National Atya Patya, organized by Maharashtra Rajya Atya Patya Mahamanda, held at Shegaon (Maharashtra) from 13<sup>th</sup> to 15<sup>th</sup> December 2019 and she secured 1<sup>st</sup> place. For this tournament more than 30 States participated from our country.

Pondicherry Engineering College Staff team represented and **secured 1<sup>st</sup> place** in the tournament Dr.A.P.J.ABDUL KALAM Memorial Tennis-ball Inter Collegiate Cricket (Men) tournament 2020 held at Tagore Arts and College , Play ground Laswpet, Puducherry. Organized by Tagore Arts & Science College and associate with DHTE from 6<sup>th</sup> to 9<sup>th</sup> March 2020. For this tournament more than 4 colleges were actively participated from Puducherry regional.

### C. NCC ACTIVITIES

The following are the NCC activities of the College during 2019-2020:

Sl. No.	Details of Camps attended	Duration of the camp	Location	Number of students attended
1	Combined Annual Training Camp (CATC)	16-07-2018 to 25-07-2018	NCC Complex, Lawspet, Puducherry	27
2	Inter Group Competition – Vayu Sainik Camp 2018 (IGC – VSC 2018)	03-09-2018 to 13-09-2018	King's College of Engineering, Punalkulam, Thanjavur	07
3	Vayu Sainik Camp 2018 (VSC – Trg 2018)	25-09-2018 to 04-10-2018	NCC Complex, Lawspet, Puducherry	04
4	Vayu Sainik Camp 2018 (VSC – Launch Camp 2018)	12-10-2018 to 21-10-2018	Tambaram, Chennai	04
5	All India Vayu Sainik Camp 2018 (AIVSC –2018)	24-10-2018 to 04-11-2018	Jodhpur, Rajasthan	04

NCC- Air Wing Cadets of Pondicherry Engineering College won the best contingent drill in Independence Day Parade 2019.

### D. NSS ACTIVITIES

The following are the NSS activities of the College

- Village Adoption
- Blood Donation Camp
- Campus Cleaning
- Tree Plantation
- Electoral Roll Verification
- Medical Camp
- Special Outreach Programme on Swachh Bharat Mission
- Swachhata Bharat Hi Seva
- Swachh Divas
- Breast Cancer Free India 2030
- Awareness Programme on First Aid and Samaritan Law
- Swachh Survekshan



### III TRAINING & PLACEMENT

In the academic year 2019-20, 419 PG & UG students were registered for placement. Among the registered, **264 students of various branches were placed** in the leading companies

PEC Students of 2019-2020 batch attended campus placement drives from July 2019 onwards and 215 students are placed from 23 Companies. It includes **Accenture, HCL, ZOHO, DeltaX, Sony, Philips, SAP labs, Reliance, Optum**, etc.

**Qualcomm**, one of America's leading mobile phone processor manufactures visited the campus and selected 5 CSE students. **Chandra Athari**, Director IT, Qualcomm told that the selected students will undergo six months internship from January to June 2020 and will be working with the future **5G processor**. During internship, Rs.30,000/- per month will be paid as stipend and after successful completion, the interns would be absorbed for permanent employment. Their maximum salary would be around **Rs.15 Lakhs per annum**.

**Hewlett Packard (HP)** visited the campus and selected 6 students for internship cum permanent positions. **Rachitha Mahadar**, HP Talent Acquisition Manager said PEC students who have sound technical and coding knowledge are selected for six months internship - cum - permanent position in Bengaluru. Their annual CTC is **Rs.10 Lakhs**. **Dr. S. Kothandaraman**, Principal and **Dr. R. Elansezhian**, Placement Officer congratulated all the placed students and handed over the placement offers.

The training and Placement Centre of Pondicherry Engineering College conducted the following training programmes for the outgoing 2019-2020 batch students as per the guidelines and advice of National Project Implementation Unit (NPIU).

Sl.No	Name of the Programme	Training Agency	No. of Training Hours	Total No. of Students participated
1	Employability Assessment Test	AMCAT	90 Minutes	350
2.	Industry Readiness Training Program	SMART	24 Hours	350
3	Industry expert lecture on Machine Learning	Mr Viswanath Ganesan - TCS	3 Hours	350
4	Industry expert lecture on IoT	Mr Anandakumaran P - TCS	3 Hours	350
5	Aptitude Soft Skills Training	ETHNUS	40 Hours	350
6	One Day Workshop on Block Chain	KT. Baskaran Founder & CEO – Kriyatec IT Systems	4 Hours	350
7	One Day Workshop on How	Mr. G. Kamalavannan	4 Hours	350

	to face IT/Software company interview	Senior Project Manager - Caggemini		
8.	Technical Skill Training	ETHNUS	40 Hours	350
9.	Company Specific Training on Python	GUVI	32 Hours	350
10.	Training during academic semester	INTERAL	13 weeks	350

#### IV. STAFF DETAILS

##### A. STAFF RELIEVED

##### TEACHING STAFF MEMBERS

The following **THREE (3)** faculty members relieved on superannuation during 2019-20.

Sl. No.	Name & Designation	Department	Relieved on
01.	Dr.P.Dananjayan, Principal & Professor	ECE	31.05.2019
02.	Dr.S.Subramanian, Professor	Chemistry	31.05.2019
03.	Dr.A.Selvaraju, Professor,	Mechanical	30.09.2019

##### NON-TEACHING STAFF MEMBERS

The following **TEN (10)** non-teaching staff members relieved on superannuation during 2019-20.

Sl. No.	Name & Designation	Department	Relieved on
01.	Mr.M.Jeeva, Jr. Instructor	ME	30.04.2019
02.	Mr.S.Kamatchisundaram, Mechanic	ME	30.04.2019
03.	Mr.N.Rajou, Mechanic	ME	30.04.2019
04.	Mr.James Terance Sekar, ARA	Administration	31.07.2019
05.	Dr.A.B.Manjubashini, Sr. Instructor	Chemistry	31.08.2019
06.	Mr.R.Mohandass, Foreman	ME	31.01.2020
07.	Mr.M.Rajendiran, UDC	Admin.Office (TEQIP)	29.02.2020
08.	Mr.G.Mayavan, Helper	Estate Office	29.02.2020
08.	Mrs.D.Tamilarasi, Sanitary Asst.	Admin Office	29.02.2020
09.	Mr.J.Dhanusu, Security Guard	Security Wing	31.03.2020
10.	Mr.A.Lathif, Security Guard	Security Wing	31.03.2020

##### NON-TEACHING STAFF MEMBERS

The following non-teaching staff member expired during 2019-20.

Sl. No.	Name & Designation	Department	Expired on
01.	Mr.G.Ezhilan, Lab Attendant	Chemical Engg.	28.03.2020

#### **B. CONTRIBUTIONS BY THE FACULTY MEMBERS**

- Dr.N.Alagumurthi, Professor and Head, Department of Mechanical Engineering - **Indian patent for innovative PhD Research work (Electro less Coating),E-1/25626/2019-CHE, IPR Chennai Government of India, 2019. Patent filed and it is in process**
- Dr.R.Elansezhian, Professor, Department of ME - Patent Applied: One National Patent on New Aluminum Composite as Spent Catalyst as reinforcement material.
- **Dr R. Saravanane, Professor & Head Civil**  
Patent no: 322019  
“Development of a combined Bio hydrogen and Methane production unit using Two-stage Anaerobic Co- digestion process” : Date of grant : 30-09-2019 MOU

#### **C. Ph.D. AWARDED**

2 faculty members were awarded Ph.D during 2019-2020.

Sl. No.	Name & Designation	Department	Ph.D obtained from
01.	Dr.K.Priya, Asst. Professor	Chemical Engg.	Pondicherry University
02.	Dr.T.Pallavhee	Chemical Engg.	Pondicherry University

#### **D. Ph.D AWARDED TO OUTSIDE CANDIDATES UNDER THE GUIDANCE OF FACULTY MEMBERS**

**60** outside candidates from Civil, Mechanical, ECE, CSE, EEE, Physics, Chemistry and Mathematics were awarded Ph.D during 2019-2020 under the guidance of faculty members of PEC.

S. No.	Name of the Scholar	Dept.	Supervisor	Date of Completion
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1	Yasir Hamid	CSE	Dr. M. Sugumaran	01-04-2019
2	Revathy @Ponmozhi	ECE	Dr. G.F.Sudha	01-04-2019
3	B. Shoba	ECE	Dr. K. Jayanthi	02-04-2019
4	B. Umamageswari	CSE	Dr. R. Kalpana	05-04-2019
5	S. Suresh	EEE	Dr. Gnanadass	09-04-2019
6	D. Zealakshmi	CE	Dr. S. Kothandaraman	08-03-2019
7	M. Priya	CSE	Dr. R. Kalpana	05-04-2019
8	J.Kuberan	ME	Dr.N.Alagumurthi	08-04-2019
9	B. Muruganantham	EEE	Dr. R. Gnanadass	10-04-2019
10	R. Elavarasu	EEE	Dr. C. Christoher Asir Rajan	26-04-2019
11	T.Pallavhee	CE	Dr.M.A.Sivasankaran	02-07-2019
12	R.Senthamilselvi	CE	Dr.P.Revathi	22-07-2019
13	V.Nagaraj	ECE	Dr.V.Vijayalakshmi	15-07-2019
14	S.Gunabalan	ME	R.Elansezhian	15-07-2019
15	T.Anand	ME	Dr.T.Sentilvelan	08-08-2019
16	D.Amrishraj	ME	Dr.T.Senthilvelan	29-07-2019
17	G.Kanimozhi	Physics	Dr.Harish Kumar	15-07-2019
18	T.Deepa	Maths	Dr.G.Ayyappan	26-06-2019
19	R.Supraja	Maths	Dr.G.Ayyappan	12-07-2019
20	R.Ravivarman	ME	Dr. K. Palaniradja	05.08.2019
21	R. Ravishankar	ME	Dr. N. Alagumurthi	09.08.2019
22	D. Udaya	CSE	Dr. K. Vivekanandan	27.08.2019
23	E. Devi	Physics	Dr. B. J. Kalaiselvi	28.08.2019
24	D. Neelamegam	ECE	Dr. G.Forence Sudha	29.08.2019
25	K. Priya	CE	Dr. V. Murugaiyan	30.08.2019
26	S. eenuvasamurthy	ECE	Dr. G. Nagarajan	03.09.2019
27	K. Ramadoss	ME	Dr. R. Elansezhian	03.09.2019
28	S. Jeyasudha	EEE	Dr. B. Geethalakshmi	20.09.2019
29	R. Senthilkumaran	ECE	Dr. G. Nagarajan	20.09.2019
30	S. Karthikeyan	ME	Dr. N. Alagumurthi	30.09.2019
31	HariKrishna Pillutla	CSE	Dr.A.Amuthan	20.09.2019
32	J. Pavalavana Pandian	ME	Dr.M.Pugazhvadivu	20.09.2019
33	V.Nadanakumar	ME	Dr.N.Alagumurthi	23.09.2019
34	K.Ashok Kumar	ECE	Dr.P.Dananjayan	27.09.2019
35	S.Sundari	EEE	Dr.Alamelu Nachiappan	10.10.2019
36	G.Karthi	CSE	Dr.M.Ezhilarasan	15.10.2019
37	T.Megala	CSE	Dr.K.Vivekanandan	31.10.2019
38	M.Latha	EEE	Dr.R.Ananda Natarajan	11.11.2019

39	K.Thulasirajan	CE	Dr.P.Revathi	15.11.2019
40	M.Satheesh	ME	Dr.M.Pugazhvadivu	18.11.2019
41	Lenna Mary Francis	CSE	Dr.N.Sreenath	04-12-2019
42	C.Kalaiarasy	CSE	Dr.N.Sreenath	06-12-2019
43	Sunil Babu Melingi	ECE	Dr.V.Vijayalakshmi	13-12-2019
44	N.Arunachalam	CSE	Dr.A.Amuthan	30-12-2019
45	A.Arulmurugan	CSE	Dr.A.Amuthan	30-12-2019
46	S.Parimala	Maths	Dr.J.Jayakumar	03-01-2020
47	S.Vimala	CSE	Dr.K.Vivekanandan	08-01-2020
48	Nalla Bhanu Teja	ME	Dr.N.Alagumurthi	24-01-2020
49	R.Kaviarasan	CSE	Dr.A.Amuthan	24-01-2020
50	S.Shibu	ECE	Dr.V.Saminadan	31-01-2020
51	V.Yamunadevi	ME	Dr.K.Palaniradja	30-01-2020
52	S.Anandalatchoumy	ECE	Dr.G.Sivaradje	12-02-2020
53	M.S.Kumaravel	ME	Dr.N.Alagumurthi	17-02-2020
54	T.Coumaresiin	ME	Dr.K.Palaniradja	21-02-2020
55	Ms.M.Vimaladevi	CSE	Dr.G.Zayaraz	24-02-2020
56	B.Somasundaram	Maths	Dr.G.Ayyappan	24-02-2020
57	S.Kalaivanan	CSE	Dr.R.Kalpna	28-02-2020
58	M.Durgadevi	CSE	Dr.R.Kalpna	28-02-2020
59	B.Lakshmi Priya	ECE	Dr.K.Jayanthi	43913
60	K.Senthivel	ME	Dr.B.Prabu	43920

#### **E. REGISTRATION OF Ph.D**

In total **72** (SEVENTY TWO) (**62 registered under PU, 7 registered under QIP and 3 registered under AICTE-NDF**) candidates were registered for Ph.D for the academic year 2019-2020.

<b>Sl. No</b>	<b>Scholar Name</b>	<b>Dept.</b>	<b>Name of the Supervisor</b>	<b>Date of Joining</b>
1	SURUTHY R	Physics	Dr.B.J.Kalaiselvi	19.09.2019
2	PRABHAHARI V	Physics	Dr.B.J.Kalaiselvi	20.09.2019
3	DURGA S NAIR	Physics	Dr.Harishkumar	19.09.2019
4	SANKEETHA S	Maths	Dr.G.Ayyappan	05.09.2019
5	NITHYA S	Maths	Dr.J.Jayakumar	05.09.2019
6	ARCHANA@GURULAKSHMI G	Maths	Dr.G.Ayyappan	2019
7	JINNY ANN JOHN	Maths	Dr.J.Jayakumar	25.11.2019
8	ARAVA SUDHAKAR	EEE	Dr.B.Maheshkumar	17.10.2019
9	M KRISHNA GORIPARTHY	EEE	Dr.B.Geethalakshmi	09.10.2019
10	PRASANNA V	EEE	Dr.G.Ravi	14.10.2019

11	PUSHPA B	EEE	Dr.C.Christober Rajan	14.10.2019
12	NAGARAJAN S	EEE	Alamelu Nachiappan	17.10.2019
13	KRISHNA MOLLI	EEE	Dr.P.Ajay-D-Vimalraj	21.10.2019
14	PURNCHANDRA RAO THOTA	EEE	Dr.S.Jeevananthan	21.10.2019
15	HAJMUNNISA T	EEE	Dr.N.P.Subramanian	24.10.2019
16	SHARMA S	EEE	Dr.K.Rajambal	07.11.2019
17	KARTHICK B	EEE	Dr.M.Sudhakaran	14.11.2019
18	KARTHIK S.S	ECE	Dr.V.Vijayalakshmi	27.09.2019
19	ARAVINDHKUMARAN S	ECE	Dr.D.Saraswady	26.09.2019
20	PRABHAVATHI S	ECE	Dr.V.Saminadan	26.09.2019
21	<b>VENKATA SUBRAMANYA MURALIDHAR P</b>	ECE	Dr.K.Kumar	27.09.2019
22	DINESH KUMAR K	ECE	Dr.G.F.Sudha	25.09.2019
23	ARAVINDRAJ E	ECE	Dr.G.Nagarajan	25.09.2019
24	JOSEPHINE MARY JULIANA M	ECE	Dr.G.F.Sudha & Dr.Nakkeeran	25.09.2019
25	KALAIYARASAN R	ECE	Dr.G.Nagarajan	25.09.2019
26	MAHADEVAN V	ECE	Dr.D.Saraswady	26.09.2019
27	GOPIKRISHNA M	ECE	Dr.D.Saraswady	26.09.2019
28	KRITHIGA B	ECE	Dr.R.Gunasundari	27.09.2019
29	PRASANNA DHULIPUDI V L	ECE	Dr.G.Sivaradje	27.09.2019
30	<b>THEEBAN CHAKKARAVARTHY B</b>	ECE	Dr.K.Kumar	27.09.2019
31	PRAKASH S	ECE	Dr.K.Kumar	27.09.2019
32.	ANILKUMAR P	ECE	Dr.R.Gunasundari	27.09.2019
33	VENKATA APPARAO N	ECE	Dr.M.Tamilarasi	27.09.2019
34	DEVATHOTI RAM BABU	ECE	Dr.L.Nithyanandan	27.09.2019
35	DOGIPARTHI SANTHOSH GUPTA	ECE	Dr.K.Jayanthi	27.09.2019
36	GOPAL S	ECE	Dr.D.Sivaradje	29.10.2019
37	EZHILARASI V	Chemistry	Dr.T.Kaliyappan	25.09.2019
38	RAJALAKSHMI S	CSE	Dr.S.Kanmani	30.09.2019
39	ROSARIO GILMARY	CSE	Dr.V.Akila	04.10.2019
40	THIRUMAGAL E	CSE	Dr.K.Sarulatha	03.10.2019
41	PRABU U	CSE	Dr.V.Geetha	03.10.2019
42	VARALAKSHMI I	CSE	Dr.M.Thenmozhi	03.10.2019
43	BALA R	CSE	Dr.R.Manoharan	03.10.2019
44	KALADI GOVINDARAJU	CSE	Dr.N.Sreenath	04.10.2010
45	AJAY DILIPKUMAR MARAPATLA	CSE	Dr.E.Ilavarasan	04.10.2019
46	RAGOUKUMAR A	CSE	Dr.K.Vivekanandan	04.10.2010
47	NITHIYA S	CSE	Dr.Sanathi Baskaran	04.10.2019

48	SHAJATHI BEGAM S	CSE	Dr.S.Saraswathi	14.10.2019
49	MATTA RAJYA LAKSHMI	CSE	Dr.P.Maragathavalli	29.10.2019
50	DHANAKANTHARAJ J	CE	Dr.R.Saravanan	14.10.2019
51	JALADEVI V	CE	Dr.V.Murugaiyan	16.10.2019
52	PONMALAR S	CE	Dr.P.Revathi	17.10.2019
53	MURUGAPPAN V	CE	Dr.A.Muthadhi	14.10.2019
54	RAMKUMAR B A V	CE	Dr.G.Ramakrishna	23.10.2019
55	KUPPALA SRINIVASA RAO	CE	Dr.P.Ramadoss	13.11.2019
56	ANANDAKUMAR J	ME	Dr.K.Pajaniradja	17.09.2019
57	MAGESH G	ME	Dr.R.Elansezhian	17.09.2019
58	PRAGATHI P	ME	Dr.R.Elansezhian	17.09.2019
59	YOKESHWARAN S	ME	Dr.K.Pajaniradja	19.09.2019
60	ILANGO P	ME	Dr.B.Prabu	20.09.2019
61	PARISITHU B	ME	Dr.N.Alagumurthi	23.09.2019
62	DINAKAR N	ME	Dr.A.V.Raviprakash	06.11.2019

**Ph.D. QIP students for the year 2019-20**

Sl. No	Scholar Name	Dept.	Name of the Supervisor	Date of Joining
1	SASI BHUSHAN M A	EEE	Dr.M.Sudhakaran	31.07.2019
2	ANNABATTULA JAWAHAR	EEE	Dr.K.Ramakrishnan	06.08.2019
3	BELCY D MATHEWS	ECE	Dr.M.Tamilarasi	31.07.2019
4	SAYEDU KHASIM NOORBASHA	ECE	Dr.G.F.Sudha	16.07.2019
5	BUDIMURE RAMANA BABU	CSE	Dr.R.Manoharan	05.08.2019
6	SIVASANKAR CHITTATHURU	CSE	Dr.R.Kalpana	02.08.2019
7	SHARATHKUMAR S	CSE	Dr.N.Sreenath	06.08.2019

**Ph.D. NDF Students for the year 2019-20**

Sl. No	Scholar Name	Dept.	Name of the Supervisor	Date of Joining
1	SANKAR B	CE	Dr.P.Ramadoss	21.08.2019
2	GEORGE K GEORGE	CE	Dr.P.Revathi	21.08.2019
3	PRIYANGA R	CE	Dr.A.Muthadhi	21.08.2019

**F. DETAILS OF TEACHERS DEPUTED TO CONFERENCES/SEMINARS/ REFRESHER COURSES**

25 papers were presented by the faculty members in various Conferences and Seminars during the academic year 2019-2020. 5 teachers were deputed by the College to attend Conferences and Seminars.

62 papers by faculty members of the College were published in various National and International Journals.

25 faculty members attended Summer/Winter Schools and Symposia.

## V. FINANCE

### A. GRANT-IN-AID

**Rs.42,98,59,861/-** (Rupees 42 Crores 98 Lakhs 59 Thousand 861 only) has been sanctioned to the College as Grant-in-aid under Plan for the financial year April 2019 to March 2020.

### B. REVENUE GENERATED

#### i. TUITION FEE

A sum of **Rs.1,07,42,739/-** (from other state UG students and all PG students) has been collected as tuition fees and **Rs.3,56,16,490/-** as other fees from UG students from April 2019 to March 2020.

A sum of **Rs.3,82,50,000/-** has been collected as tuition fees under self-supporting scheme for B.Tech during 2019-20.

#### ii. R&D CONSULTANCY (1<sup>st</sup> April 2019 to 31<sup>st</sup> March 2020)

The Department of **Civil Engineering** has generated **Rs.53,39,579/-** as revenue towards Research and Development Consultancy.

The Department of **Electrical and Electronics Engineering** has generated **Rs.79,862/-** as revenue towards RDC.

The Department of **Computer Science Engineering** has generated **Rs.3,70,000/-** as revenue towards RDC.

#### iii. SPONSORED PROJECTS (AICTE/DST/OTHERS)

An amount of **Rs.30,000/-** (Rupees Thirty Thousand Only) has been received towards R&D Project titled "Production of Light Weight Wall Panels for Precast Construction using Artificial Geopolmer Aggregate from the Institution of Engineers (India) by **Dr.P.Revathi**, Asst. Professor, Civil Engineering.

An amount of **Rs.6,00,000/-** (Rupees Six Lakhs Only) has been sanctioned to **Dr.G.Vijayakumar**, Professor, Department of Civil Engineering by Ministry of Earth Sciences, Integrated Coastal and Marine Area Management (**ICMAM**).



An amount of **Rs.2,52,000/-** (Rupees Two Lakhs Fifty Two Thousand only) has been received for the project titled “Women Empowerment and futuristic sustainable development of the society in Rural villages” from AICTE by **Dr.R.Kalpana**, Professor, Department of CSE.

A Grant-in-aid of **Rs.28,05,989/-** (Rupees Twenty Eight Lakhs Five Thousand Nine Hundred and Eighty Nine Only) has been received towards the Scheme of QIP (Plan) by **Dr.S.Saraswathi**, Professor, IT and Dean (Research) from AICTE.

An amount of **Rs.5,00,000/-** (Rupees Five Lakhs Only) has been received towards RPS Project titled “IoT Based Intelligent Garbage Monitoring Segregation and Recycling System using Convolutional Neural Networks for Smart City” from AICTE by **Dr.V.Vijayalakshmi**, Associate Professor, ECE.

An amount of **Rs.13,25,982/-** (Rupees Thirteen Lakhs Twenty Five Thousand Nine Hundred and Eighty Two Only) has been sanctioned to **Dr.S.Tamilselvan**, Associate Professor, ECE from AICTE towards RPS NDF Project on “Implementation of Deep Learning Based Secured Gateway for the Internet of Medical Things using FPGA”.

An amount of **Rs.19,40,000/-** (Rupees Nineteen Lakhs and Forty Thousand Only) has been sanctioned to **Dr.R.Sandanalakshmi**, Assistant Professor, ECE from AICTE towards RPS NDF Project on Investigation on the role of Artificial intelligence for Radio resource management in 5G wireless networks”.

An amount of **Rs.3,68,000/-** (Rupees Three Lakhs Sixty Eight Thousand only) has been received towards Inspire Fellowship under INSPIRE PROGRAMME from DST by **Dr.M.Arounasalame**, Associate Professor, Department of EEE (Ms.T.Porselvi, Ph.D scholar)

An amount of **Rs.80,000/-** (Rupees Eighty Thousand Only) has been received from Institution of Engineers (India) towards “Assessment of Recyclable Thermoplastic Insulation subjected to DC stress and Superimposed Harmonics” by **Dr.K.Elanseralathan**, Professor, EEE.

An amount of **Rs.1,20,000/-** (Rupees One Lakh Twenty Thousand Only) has been sanctioned to **Dr.P.Thirusakthimurugan**, Professor and Head, EIE from AICTE towards MODROB Project “Modernization of Transducers and Instrumentation System Lab.

### **C. EQUIPMENT PURCHASED**

The College has purchased equipment worth **Rs.44.81 lakhs** from grants received from the Government of Puducherry.

The College has purchased equipment worth **Rs.72.68 lakhs** from grants received through various projects by different agencies viz., UGC, FIST, AICTE, etc.

**D. LOANS AND ADVANCES**

NIL

**VI. BUILDING DIVISION ACTIVITIES**

<b>Sl. No.</b>	<b>Name of the work</b>	<b>Estimated Amount (Rs.)</b>	<b>Remarks</b>
1	Up gradation of T & P cell by construction of First floor over the Training and Placement cell office (Rear Block) for the Proposed Technological University inside the PEC campus, Puducherry (Under RUSA Fund)	Rs. 73 Lakhs	Civil Work entrusted to the contractor M/s. Vasudevan & Co, Puducherry for an amount of Rs.56,94,811/-. The Civil works completed on 10.05.2018. Expenditure so far incurred is Rs.60 Lakhs. Final bill is yet to be settled. Building was occupied and office is functioning.
2	Up gradation of Electronics & Instrumentation Engineering by construction of Second Floor for the Proposed University of Technology inside the PEC campus, Puducherry (Under RUSA Fund)	Rs. 192 Lakhs	Civil Work entrusted to M/s Best constructions, Puducherry for an amount of Rs.1,44,55,699/- on 27.03.2017. The Civil Works were completed on 31.01.2019. Expenditure so far incurred is Rs.156 Lakhs. Final bill is yet to be settled. Building was occupied by the concerned department and classes are functioning.
3	Construction of a Building for Administrative Block for the proposed Puducherry University of Technology inside the PEC campus (under RUSA Fund)	Rs.911 Lakhs	a) Civil Work entrusted to the contractor M/s. Economic constructions, Puducherry for an amount of Rs.7,04,95,478/- on 27.03.2017. Flooring work is in progress. Expenditure so far incurred is Rs. 375 Lakhs (up to CC V & Part bill). b) Supply & Installation of Elevator ( Lift) work entrusted to M/s. Johnson Lifts(P) Ltd., Puducherry for an amount of Rs.13,50,000/-. Work yet to be started.
4	Up-gradation of ECE & CSE Departments	Rs. 465 Lakhs	Civil Works entrusted to the

	by Construction of Second Floor for the proposed Puducherry University of Technology inside PEC campus, Puducherry (under RUSA Fund)		contractor M/s. SIRI constructions infrastructure private limited, Hyderabad for an amount of Rs.3, 61, 72, 578/- on 27.03.2017. Civil Works were completed on 31.07.2019. Expenditure so far incurred is Rs.333 Lakhs. Final bill is yet to be settled. Building was occupied by the concerned departments and classes are functioning.
5	Construction of shed for Casting yard Cum Structural Engg. Lab (Extension) at Civil Engg. Department in the PEC campus Under RUSA Fund.	Rs. 39 Lakhs	Work entrusted to the contractor M/s. Vasudevan & Co, Puducherry for an amount of Rs.25.35 lakhs/- on 08.03.2019. All Civil Works were completed except external ramp work, Electrical works are to be completed. Expenditure so far incurred is Rs.19.93 Lakhs up to CC III & Part bill.
6	Providing and laying Main & Distribution line, construction of water storage Sump, Pump house and erecting bore well, special repair works to the over Head Tank to the water supply system of PEC campus for the proposed Puducherry University of Technology (Under RUSA Fund )	Rs. 319 Lakhs	Work entrusted to the contractor M/s. G.D. Builders, Puducherry for an amount of Rs.225 Lakhs. Laying of pipeline work completed, Pump house work is in progress. Expenditure so far incurred is Rs.171 Lakhs.
7	Construction of building for Canteen inside the PEC campus.	Rs.90 lakhs	Estimate sanctioned for Rs.90 Lakhs. Awaiting approval for expenditure sanction. E-tender will be called after obtaining expenditure sanction.

## VII ELECTRICAL WING

Sl. No.	Name of the work	Estimated Amount (Rs.)	Remarks
1.	Electrification work to the newly Construction for Administrative Block for the proposed Puducherry University of Technology inside the	Rs.54.67 Lakhs	Work on-going.

	PEC campus (under RUSA Fund)		
2	Electrification work to the newly Construction of II floor over ECE & CSE Departments, for the proposed Puducherry University of Technology inside PEC campus, Puducherry (under RUSA Fund)	Rs. 26.60 Lakhs	Work completed
3	Construction of shed for Casting yard Cum Structural Engg. Lab (Extension) at Civil Engg. Department in the PEC campus Under RUSA Fund.	Rs. 1.47 Lakhs	Work on-going
4	Shifting of point of supply from 22 KV Alankuppam feeder to 22 KV Pillaichavdy Feeder and replacing of damaged and re-routing of U.G cables in the power supply system of PEC campus for the proposed Puducherry Technological University (Under RUSA Fund )	Rs.147.2 Lakhs	Expenditure sanction has been obtained vide No. 30/RUSA/ PSHEC/C-1/ Grants/2016/687. Dt.17/07/18. Work pending.
5	Annual Expenditure to the electrical maintenance works of PEC.	Rs.9,11,954/-	

### VIII LIBRARY

The total number of books in the Library is 56487. The Library subscribes to Indest e-journals **120** and Springer nature e-journals **742**. It also operates a Book Bank with over **2972** text books. The number of e-books added to Library this year is 21 and the total number of e-books is 1864. The number of titles available is **31,259**. The total value of books available in the Library is **Rs.2,50,00,000/-**. PEC Library is a member in INDEST, MALIBNET and DELNET.

#### INDIAN NATIONAL DIGITAL LIBRARY IN SCIENCE AND TECHNOLOGY (INDEST)

The INDEST – AICTE Consortium provides free access to unlimited e-books and 120 e-journals. Access is also provided to 96 IEEE Transactions, 18 ASCE Journals, 6 ASME journals, Science Direct and Springer ling e-journals.

### IX. DISPENSARY

Eye and Dental camps were conducted to all staff and students in association with Apollo Eye and Dental White Care and Rotary Club.

Blood donation camp was conducted by JIPMER in association with Rotary Club. 129 students participated in the blood donation.

#### **X. ENDOWMENT LECTURE / PANEL DISCUSSION**

**21<sup>st</sup> VSNL Panel Discussion:** The Department of ECE organized 21<sup>st</sup> VSNL Panel Discussion on 21<sup>st</sup> February 2020 on "Emerging Applications Leveraging VLSI". **Mr.Lakshminarasimhan Varadadesikan, Director Engineering, Qualcomm** anchored the event. **Dr.P.Nirmal Kumar, Professor, Department of ECE, Anna University, Chennai, Mr.Vishal Bhatt, Application Engineer, TETCOS, Bangalore and Mrs.Thenmozhy Kaliyamurthy, R&D Engineer, Synopsys India Pvt. Ltd., Bangalore** shared their knowledge as the panellists.

The Above and Beyond Awards presentation ceremony was held on 21<sup>st</sup> February 2020.

The 16<sup>th</sup> India Bank Endowment Lecture : The Department of Civil Engineering organized 16<sup>th</sup> Indian Bank Endowment Lecture on "Water Conservation and Harvesting" on 5<sup>th</sup> September 2019. Professor Dr.S.Mohan, Former Head, Department of Civil Engineering, IIT Madras delivered the technical lecture. Mr.S.Gulothungan, AGM, Puducherry Main Branch, Indian Bank offered felicitation.

#### **XI. EXTENSION ACTIVITIES**

##### **A. CONFERENCE/WORKSHOPS / SUMMER-WINTER SCHOOLS / SYMPOSIA ORGANISED**

Several Departments of the Institute organized Conference, Symposia, Workshops and Summer/Winter Schools during 2020. The details are given below:

##### **CIVIL ENGINEERING**

52<sup>nd</sup> Engineers' Day was celebrated by the Puducherry State Centre, The Institution of Engineers (India) on 15<sup>th</sup> September 2019. Er.M.Arulmurugan, Non-official Independent Director, Engineers India Ltd., New Delhi delivered a lecture on "Engineering for Change".

The Department of Civil Engineering organized the Inauguration of ICI Students' chapter and Workshop on Concrete Mix Proportioning on 21<sup>st</sup> January 2020.

##### **MECHANICAL ENGINEERING**

The Mechanical Department Students' Council inauguration was held on 25<sup>th</sup> July 2019. Dr.N.Raviprakash, Alumni of PEC and Senior Scientist, Plasma Research, Gujarat inaugurated the Students' Council activities and delivered a special lecture.

The Department of Mechanical Engineering and the Department of Chemical Engineering organized AICTE sponsored National Conference on Energy and Chemicals from Biomass (NCECB) on 10<sup>th</sup> October 2019 and 11<sup>th</sup> October 2019. Dr.R.Sethumadhavan,

Professor (Retd.) Institute for Energy Studies, Anna University and Sr. Director – Energy GSH (I) Pvt. Ltd., Chennai inaugurated the conference. Dr.M.Rajasimman, Professor, Department of Chemical Engineering, Annamalai University had delivered the valedictory address.

The Department of Mechanical Engineering organized TEQIP III sponsored STTP on “Computer Aided Engineering (CAE) : Tools and Techniques” on 18<sup>th</sup> November 2019. Mr.R.Ganeshram, Senior Technical Lead, Ford Motor India Pvt. Ltd., Chennai inaugurated the STTP programme.

The Department of Mechanical Engineering organized AICTE QIP sponsored Short Term Course on “Industry 4.0 and Smart Manufacturing – IFSM” from 17<sup>th</sup> February 2020 to 22<sup>nd</sup> February 2020. Er.Amit Nain, DGM, MSME Technology Centre, Puducherry was the Chief Guest of the inaugural function and Er.S.Balasubramaniyan, Manager, Poclairn Hydraulics, Puducherry was the Chief Guest of the Valedictory function.

### ECE

The ECE Students’ Council inauguration was held on 25<sup>th</sup> July 2019. Mr.A.Gouroubalane, Principal Engineering Manager, Microsoft, USA inaugurated the Students’ council activities and delivered the inaugural address and Mr.Muthukumaravelu Velayoudame, Senior Hardware Engineering Manager, Apple Inc., USA delivered felicitation address.

The Department of ECE organized AICTE sponsored STTP on “**Emerging trends and applications of multi-resolution analysis techniques in Wireless Communication**” from 16<sup>th</sup> September 2019 to 21<sup>st</sup> September 2019. Dr.G.F.Sudha, Professor and Head, and Dr.A.V.Ananthalakshmi, Asst. Professor were the Co-ordinators.

The Department of ECE organized the AICTE QIP sponsored one week Short Term Course (STC) on “**Recent Trends in Reconfigurable SoC Design for B5G**” from **24th to 29th Feb.2020**. The chief guest, **Dr. S. Rajaram**, Professor and Head, Department of ECE, Thiagarajar College of Engineering, Madurai inaugurated the session and in his keynote address he highlighted the necessity of Reconfigurable SoC Design for beyond 5G (B5G). **Dr. A. V. Ananthalakshmi**, was the co-ordinator of the STC. Resource persons from reputed academic institutions, Industrial delegates from **CG-Coreal**, Bangalore and **Oppila Microsystems Pvt Ltd**, Bangalore and in-house experts from PEC have handled the course sessions.

The Department of ECE organized two days Students' Level Technical Symposium - **GENESIS 2019** on 17<sup>th</sup> and 18<sup>th</sup> October 2019. Mr.P.K.Gopalakrishnan, Chief Technology Officer & Co-founder, CoQube Semiconductor, Bangalore was the chief Guest and inaugurated the Technical Symposium. Dr.M.Thirunavoukkarasu, Senior Principal Scientist, CSIR National Environmental Engineering Research Institute, Chennai was the Chief Guest for the valedictory function.

The Department of ECE organized the Above and Beyond Award Ceremony on 21<sup>st</sup> February 2020. In the function, the top two students in the final, third and second year were

awarded. Also, Above and Beyond Explorer Award was given the Project titled “Self Reliant Chairs”. A.Vigneshwarane and D.Anushuya were awarded.

### **EEE**

AICTE-QIP sponsored one week Short Term Course on Integration of Advanced Technologies to Power Quality Solutions for Green Energy System in Smart Grid was organized by the Department of EEE from 17<sup>th</sup> February 2020 to 22<sup>nd</sup> February 2020. Dr.N.P.Subramaniam, Asst Professor and Dr.P.Ajay.D.Vimal Raj, Asst. Professor are the Co-ordinators.

### **EIE**

The EIE Students’ Council inauguration was held on 18<sup>th</sup> September 2019. Mr.K.Ganabady Raja, Senior Consultant, Infosys Ltd., Bangalore and Alumnus, First batch of EIE delivered inaugural address and released the department magazine “**INSTRUMENTEERS**”.

The Department of Electronics and Instrumentation Engineering organized TEQIP III sponsored Short Term Training Programme on “RECENT TRENDS IN INDUSTRIAL AUTOMATION AND CONTROL (RTIAC) on 16<sup>th</sup> December 2019. Dr.J.Prakash, Professor, Department of Instrumentation Engineering, Madras Institute of Technology, Anna University inaugurated the STTP.

### **CSE**

The Department of Computer Science and Engineering Students’ Council inauguration “The HUB” was held on 5<sup>th</sup> September 2019. Mr.Sarath Kuruppath, Ruthra Fierce, Motivational Speaker and Leadership Trainer delivered inaugural address.

The Department of Computer Science and Engineering organized TEQIP III sponsored two days workshop on “IoT Applications Using Arduino (IoTUA)” on 18<sup>th</sup> and 19<sup>th</sup> October 2019. Dr.K.Baskar, Senior System Architect, RIDSYS was the Chief Guest and delivered Keynote address.

The Department of Computer Science and Engineering organized AICTE-QIP sponsored one week Short Term Course on “Recent Trends in Cyber Security” on 5<sup>th</sup> February 2020. Dr.S.Bascarane, Chief Grievance Redressal Officer, Raj Nivas, Government of Puducherry inaugurated the course.

The Department of Computer Science and Engineering organized an All India Intercollegiate Technical Symposium CYBRUS 2020 on 13<sup>th</sup> February 2020. Dr.R.Vijayarajeswaran, Managing Director, Vi Micro System Pvt. Ltd., Chennai was the Chief Guest and delivered inaugural address.

The Department of Computer Science and Engineering organized Technical Training for placement during 1<sup>st</sup> July 2019 to 3<sup>rd</sup> July 2019.

The Department of Computer Science and Engineering organized Python for Data Science Training Programme for UG and PG students during 5<sup>th</sup> December 2019 to 6<sup>th</sup> December 2019.

### **INFORMATION TECHNOLOGY**

The Department of Information Technology organized a two-day workshop sponsored by TEQIP III on “Big Data Analytics with Hadoop” on 10<sup>th</sup> October 2019. Mr.Soudhakar Elumalai, Data Scientist, SAP, Bengaluru delivered keynote address.

The IT Department Students’ Council “ITECH WEB” was inaugurated on 15<sup>th</sup> October 2019. Mr.P.Krishna, Alumnus of PEC and Lead Data Consultant, Gramener, Bangalore, inaugurated Students’ Council activities and delivered a special lecture on “Demand for Software Engineers”. During the function TCS best student award was presented to Ms.T.Sakthi Parkavi, Software Engineer, Altran Technologies, Chennai (2014-2018 batch).

The **Department of Information Technology** has organized an **AICTE Sponsored Two weeks Faculty Development Programme(FDP)** on “**Integration of IoT & Cloud Computing Services in Smart Cities**” from **25.11.19 to 06.12.2019**. **Dr.V.Goindasamy, Associate Professor** and **Dr.G.Santhi, Asst. Professor**, are the Co-ordinators of the programme

A National Level Technical Symposium (NEURA 2020) was organized by the Department of Information Technology on 12<sup>th</sup> March 2020.

### **CHEMICAL ENGINEERING**

The Department of Chemical Engineering inaugurated the Association of Chemical Engineering Students (ACES) on 20<sup>th</sup> September 2019. Mr.R.Kadamban, AGM, Solara Activa Pharma Sciences, Puducherry delivered the inaugural address on “Pharmaceutical Industries: A Global Perspective”.

The Department of Chemical Engineering and Mechanical Engineering organized a National Conference on “Energy and Chemicals from Biomass” from 10<sup>th</sup> and 11<sup>th</sup> October 2019.

Dr.S.Sundaramoorthy, Professor, Department of Chemical Engineering organized a programme on “Industrial Applications on Advanced Control Strategies” on 3<sup>rd</sup> August 2019 at IET, Lucknow.

### **B. INCUBATOR & ENTREPRENEURSHIP DEVELOPMENT CELL (IEDC)**

A MoU was signed with NEN to include Entrepreneurship Education into Main-stream



curriculum.

Organized Entrepreneurship Educators' Faculty Development Program by Wadhvani Foundation' for (4 + 3) Faculty coordinators, Phase-1 & 2

Formal Introduction of the subject "Basic Course on Entrepreneurship "(HSG03) into main stream curriculum

Batch-1 of HSG03 (For ECE, CSE, IT, Chemical Students) By Dr.N.Sivakumar

Batch-2 of HSG03 (For Civil, Mechanical, EEE, EIE Students) By.Dr.R.Sundaramurthy

Physical Inspection of the proposed site for Atal Incubation Centre by Dr.Unnat Pandit, Head-Operations, Atal Innovation Mission , Niti Aayog Government of India.

Formal Entrepreneurship Education to students under PM Yuva Yojana , Course 100 - Batch-1, By Dr.N.Sivakumar

Formal Entrepreneurship Education to students under PM Yuva Yojana , Course 100 - Batch-2, By Dr.B.Hemakumar

2 Days Atal Incubation Compliance Meet and Incubation managers Training Program organized by Atal Innovation Mission, Niti Aayog , Governemnt of India, By Dr.R.Sundaramurthy

Entrepreneurship Educators' Faculty Development Program by Wadhvani Foundation' - Phase-3

Formation of Section - 8 Not for Profit organization in the name of "AIC-Pondicherry Engineering College Foundation" for facilitating Atal Incubation Centre.

Complete Compliance Documents Submitted for Atal Incubation Centre to Niti Aayog , Government of India.

Purchase of Equipments to facilitate Entreprpreneurship Education in campus under PM-Yuva Yojana Scheme

AICTE Samridhi Scheme for SC/ST Students for setting start-ups. The Atal Incubation Centre, PEC Foundation organized a startup interactive session "Startup Ignite" on 28<sup>th</sup> January 2020. Mr.Sidharth Sachdeva, Investment Specialist, Invest India, New Delhi delivered an interactive session on "Registration procedure of startups and options for availing seed fund". Mr.M.Kalaiichelvan, Chairman, CII, Puducherry delivered keynote address.

The **Atal Incubation Centre PEC Foundation (AIC-PECF)** organized a technical product / project demo day "**ProtoFest 2020**" on **27th February 2020** at AIC-PECF PEC campus. The objective of the event was to identify potential innovative products / projects in the Prototype / PoC / MVP stage and to convert them into a commercial grade product by providing the necessary technology support through AIC-PECF's Incubation program. The event was inaugurated by the chief guest **Dr.S Ramkumar** (Director Entrepreneurship Development Cell Govt. of Puducherry) with the gracious presence of **Prof.Dr.S Kothandaraman**, the

Principal, **Prof.Dr.K Vivekanandan**, the Registrar, **Dr.R Sundaramurthy**, Executive Director – AIC-PECF and **Dr.B Hemakumar**, the Event Co-ordinator. A total of 135+ innovators from various Engineering and Technical Institutes and early stage entrepreneurs across Puducherry were given a platform to showcase their innovative product prototypes in front of senior industrial and academia experts. Top 5 innovative prototypes were awarded with exciting cash prizes and necessary technological support will be provided by the AIC-PECF Incubation program.

### **C. LITERARY CLUB ,DESIGN CLUB, CCGC**

In connection with “Vigilance Awareness Week, “National Education Day”, “Communal Harmony Campaign Week” and “Constitution Day” celebrations the following activities were organized by the Literary Club and the Design Club of Pondicherry Engineering College.

Elocution, Essay Writing, Group Discussion, Debate, Slogan Writing, Poetry Writing, Extempore, Skit, Critical Thinking Challenge.

Vocabulary challenges are given on a daily basis to first year, second year and third year students separately and winners are announced at the end of every month.

A quiz group (whatsapp) solely for the quizzers of PEC organizes weekly quiz contests with alumni as quizmasters.

CCGC coordinated the three week long induction programme for first year students in the first phase and a week long programme in the second phase. Nineteen of our alumni, working in various sectors and belonging to all the departments honoured as guest speakers. Informative and motivational lectures were given by experts from various fields.

Motivational talks by alumni were organized in departments.

Questionnaires were given to students to assess the difficulties that they face both academically and personally and appropriate counselling was given.

### **D. HEALTH HYGINE AND ENVIRONMENT CLUB (H2EC) - FORMERLY YOGA CLUB**

The club activities for the academic year 2019-2020 are as follows :

### **E. PHOTOGRAPHY CLUB**

The Photography Club organized various challenges on weekly and monthly on various themes.

On 09.01.2020 a competition was conducted for all the PEC students on ON-THE-SPOT theme "OUR CAMPUS". Top five winners were selected to represent PEC State Level Cultural Festival.

On 19.01.2020, Photography Club organized Photo Walk – A Group Walk to take photographs in Puducherry beach and White Town.

On 28.02.20, a Photo Display was arranged displaying selected photos during Inter-Collegiate Festival PECOFES 20.

An expert talk by the eminent professional photographer **Mr.Senthilkumar Kandhakrishnan**, who had travelled over forty countries and won over 140 International Awards including 36 Gold Medals, had been organised by the **Photography Club** of PEC on 03.03.2020. In the inspiring and highly interactive session, attended by 45 participants, the guest speaker shared his experiences and thrown light on the nuances of photography using his various award-winning photographs.

**F. IPR CELL:**

The first patent of PEC was filed on 19<sup>th</sup> December 2019.

Dr.R.Elansezhian, Professor, Department of ME - Patent Applied: One National Patent on New Aluminum Composite as Spent Catalyst as reinforcement material.

**G. IQAC CELL**

Academic Audit is being conducted for the academic year 2016-17 and 2017-18. External Academic Auditors are appointed for the conduct of Academic Audit.

**H. TAMIL MANDRAM**

In PEC, the Tamil Mandram was inaugurated on 30<sup>th</sup> January 2020. Er.Mu.Ramanathan, Tamil Writer and Chartered Engineer at Hong Kong and Er.M.Balasubramaniam, Secretary, Pudhuvai Tamil Sangam were the Chief Guests.

**I. INSTITUTE INFORMATION SYSTEM**

The following are the activities of the Institute Information System (IIS)

- Monitoring data of Students
- Course , Exam, Elective, Registration and Monitoring
- Generating Exam Applications and Hall tickets for Exam
- Uploading Regular Results and Revaluation Results
- Receiving faculty Feedback from students
- Receiving online fees payment (Academic & Exam)
- Receiving online fees payment of Hostel students

- Ph.D. Registrations
- Sending Mails & SMS to students & Parents

#### **J. ALUMNI ASSOCIATION ACTIVITIES**

The Silver Jubilee Celebration of 1990-1994 batch PEC Alumni was held on 26<sup>th</sup> July 2019. Alumni induction ceremony for final year students and Panel Discussion by 1990-94 batch alumni was held.

The Alumni Day 2020 was organized by the PEC Alumni Association (PECAA) ON 26<sup>th</sup> January 2020 to re-connect and re-live the college memories with friends.

#### **K. WOMEN'S CELL**

During 2019-2020, the Women Cell conducted 3 seminars, 2 workshops, a forest trip, 10 literary and 6 cultural activities.

The Women's Cell inaugurated the "APJ GARDEN" on 25<sup>th</sup> September 2019.

A seminar on "Good Nutrition and Health Life Style" was organized by the Women's Cell on 10<sup>th</sup> October 2019. Dr.S.Hari Priya, Associate Professor, Dept. of Food Science and Technology, School of Life Sciences, Pondicherry University was the chief guest.

A workshop on "Life Skills Management" was organized by the Women's Cell on 17<sup>th</sup> February 2020. Mr.Abdul Mohsin and Mrs.Kirubanagini, NLP Master Practitioners conducted the workshop.

The International Women's Day and Prize distribution ceremony and the cultural extravaganza was held on 9<sup>th</sup> March 2020.

### **XII GENERAL**

#### **PRERANA SCHEME FOR GATE COACHING**

An Induction Programme in accordance with the AICTE sponsored Prerana-Scheme for GATE Coaching was held on Wednesday, the 04<sup>th</sup> December, 2019 in the Centre of Continuing Education, Administrative Department. Dr.S.Kothandaraman, Principal and Dr.K.Vivekanandan, Dean (Students) presided over the function and gave deep insights on the importance of higher education and motivated the students to utilize the GATE training in an effective manner to have better job opportunities. Dr.M.Thirumaran, Co-ordinator, arranged and coordinated the event in a successful manner.

#### **DEVELOPER STUDENT CLUB (DSC)**

Sri Vishnu Koushik Chinta, Third year B.Tech. CSE was selected by the Google Inc. as the Lead for the Developer Student Club (DSC) of Pondicherry Engineering College for the academic year 2019-20.

He is one among the 172 leads representing 172 colleges, spread across 90+ cities and 22 states in India. Google DSC- PEC was established in the year 2017 and Mr. CS Koushik has become the Lead for the third year. He will organize a series of workshops to impart knowledge in developing Android apps for the benefit of the students of PEC and other interested candidates in and around the U.T. of Puducherry.

**PEC-Google-Developer Students Club (DSC)** has launched a new **app** compatible for **Android** mobile phones (available in Playstore) named **PEC-INFO**. This app helps the students and staff to have quick access to the news and events, details about department and IP&RP Cell. This app is developed by **Mr. CS Koushik** and **Mr. Sam Benjamin**, the student leads of the club functioning in PEC. The **PEC Yellow Pages** app launched in the month of March, 2018 is updated to include a few admin staff and available in Playstore.

**NPTEL – (National Programme on Technology Enhanced Learning)**

NPTEL now as **SWAYAM-NPTEL** has a largest repository of courses in Engineering, Science and Humanities from India’s best institutes.

**NPTEL – (National Programme on Technology Enhanced Learning) local chapter was established in Pondicherry Engineering College on 23rd November 2015 which was another milestone in the history of Pondicherry Engineering College.**

Period	Number of courses registered in Various Fields	Number of Students Registered for Examination	Gold Winners	Silver Winners	Toppers	Elite	Successfully completed	Rating of College (Within top 100 colleges is awarded A Rating)
Jan-Apr 2019	47	459	46	83	5	147	159	A Out of 3200+colleges Local Chapter Colleges
July-Dec 2019	46	807	3	43	6	56	255	-

### **TECHNICAL EDUCATION QUALITY IMPROVEMENT PROGRAMME PHASE – III (TEQIP)**

Pondicherry Engineering College is a partner Institute in **TEQIP-III** under subcomponent 1.3, which aims at Twinning Arrangements to Build Capacity and Improve Performance of Participating Institutes. This Institute has been selected as Mentor Institute to participate in twinning arrangements with Institute of Engineering & Technology Lucknow (Mentee Institute). **Pondicherry Engineering College** as the Mentor Institute, is expected to help the Mentee Institute in strengthening the academics and research activities by sharing the knowledge and experience through mutual interactions, in streamlining various procedures & processes leading to overall improvement and capacity building and developing long-term relationship with the Mentor Institute.

- Equipment worth Rs.151/- lakhs during 2019-2020.
- An amount of Rs.66.81 lakhs has been spent towards Ph.D Research Assistanship.
- An amount of Rs.31.05 lakhs has been spent owards conduct of Faculty/Staff Development programmes.
- Under TEQIP III two International Conference, two Short Term Training Programme, 2 Workshops and 2 Seminars were conducted. Also, 3 faculty members were sponsored to attend international conference, 1 faculty deputed to attend STTP, four faculty members were sponsored to attend Workshop and 1 faculty member was sponsored to attend seminar.

### **NATIONAL INSTITUTE RANKING FRAMEWORK (NIRF)**

PEC has been ranked **122** by National Institutional Ranking Framework (NIRF), Ministry of Human Resource Development (MHRD), Govt. of India among Engineering Institutions in India during 2020.

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