


	<p style="text-align: center;"><b>VIMAL JYOTHI</b> <b>ENGINEERING COLLEGE</b> <b>JYOTHI NAGAR, CHEMPERI – 670632, KANNUR, KERALA</b></p> <p style="text-align: center;">Affiliated to APJ Abdul Kalam Technological University, Approved by AICTE ISO 9001 : 2015 Certified   Accredited by Institution of Engineers (India), NBA, NAAC Ph: 0490 2212240, 2213399 Email: office@vjec.ac.in Website: www.vjec.ac.in</p>	<p style="text-align: center;"><b>NAAC Cycle 2</b></p> <hr/> <p style="text-align: center;"><b>Criterion: 6.1.1</b></p>
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## National Education Policy -Implementation plan

The National Education Policy (NEP) 2020 is a comprehensive framework for transforming India's education system. It aims to provide universal access to quality education, promote multidisciplinary and holistic learning, foster creativity and critical thinking and enhance research and innovation. In the pursuit of academic excellence and the holistic development of our students, Vimal Jyothi Engineering College (VJEC) is embarking on a transformative journey aligned with the National Education Policy (NEP). The NEP, introduced by the Government of India, envisions a paradigm shift in the education system to cater to the evolving needs of the 21st century.

Key Objectives of NEP Implementation at VJEC:

- Developing an institutional development plan (IDP) to assess the current status and future goals of the college, in terms of human resources, infrastructure, technology, student support, curriculum, pedagogy, governance, accreditation, etc.
- Restructuring and consolidating the existing programs and courses to offer more flexibility and choice to the students, and to enable multidisciplinary and integrated learning across disciplines and fields
- Adopting a credit-based system and establishing an academic bank of credit (ABC) to facilitate multiple entry and exit options, lateral and vertical mobility, and recognition of prior learning
- Enhancing the quality and capacity of the faculty and staff through continuous professional development, incentives, and empowerment
- Ensuring equity and inclusion for all students, especially those from disadvantaged and marginalized groups, by providing scholarships, fee waivers, hostel facilities, mentoring, counseling, and other support services
- Promoting a culture of research and innovation in the college, by encouraging faculty and students to undertake research projects, collaborate with other institutions and industries, and access the resources and funding from the National Research Foundation (NRF)
- Leveraging technology and digital platforms to enhance teaching and learning, assessment and evaluation, administration and management, and outreach and communication.

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- Transforming the regulatory system of higher education to ensure autonomy, accountability, and transparency, and to foster a 'light but tight' framework of quality assurance and accreditation

**FDP:**

The following list contains the details of faculty development programs:

Name of the participant	Designation	Title of the FDP /MDP/ professional development / administrative training program	Dates (from-to) (DD-MM-YYYY)
RESHMA K V	Assistant Professor	FDP on "Smart Waste Management" organized by Department of Chemical Engineering, SRM Institute of Science and Technology	12/09/2022 - 17/09/2022
		STTP on AI & Applications organized by mariyan engg. college	29/08/2022 - 03/09/2022
		Faculty Development Program on "Advancements of Cyber Security" organized by Department of Computer Science & Engineering of Dr. B.C. Roy Engineering College, Durgapur, West Bengal	22/08/2022 - 26/08/2022
JINSA MATHEW	Assistant Professor	Faculty Development Programme on "Collaborative Research Practices in Modern Era"	13/02/2023 - 21/02/2023
		FDP on Research writing & Publication	18/07/2022 - 22/07/2022



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SHINU MM	Assistant Professor	Medical Image analysis using Deep learning techniques,	23/02/2023 - 28/02/2023
		Collaborative research practices in modern era in AMET University	13/02/2023 - 21/02/2023
Dhanoj M	Assistant Professor	Faculty Development Program on OBE Philosophy & Practice	05/05/2023 - 09/05/2023
		FDP on Artificial intelligence and data science	18/03/2022 - 21/03/2022
Ms. Hridya P	Assistant Professor	OBE Philosophy and Practice	05/05/2023 - 09/05/2023
Ms. Athira Rajedran	Assistant Professor	OBE Philosophy and Practice	05/05/2023 - 09/05/2024
Ms Divya B	Associate Professor	FDP on "AI/ML"	10/05/2023 - 14/05/2023
		Training program on "Java Full Stack"	23/01/2023 - 10/02/2023
		FDP on "OBE Philosophy and Practice"	05/05/2023 - 09/05/2023
Ms Vidhya S S	Assistant Professor	FDP on "OBE Philosophy and Practice"	05/05/2023 - 09/05/2023
		FDP on "AI/ML"	10/05/2023 - 14/05/2023
Ms Tintu Devasia	Assistant Professor	FDP on "OBE Philosophy and Practice"	05/05/2023 - 09/05/2023
Ms Divya K	Assistant Professor	FDP on "Blockchain Technology"	03/04/2023 - 08/04/2023
Ms Nayana Suresh	Assistant Professor	FDP on "OBE Philosophy and Practice"	05/05/2023 - 09/05/2023
Ms Anit Thomas M	Assistant Professor	FDP on "Artificial Intelligence"	16/01/2023 - 20/01/2023
		FDP on "Recent Advances in Data science, Data Analytics and cyber security"	01/03/2023 - 05/03/2023
Ms Sreeraji Narayanan	Assistant Professor	FDP on "OBE Philosophy and Practice"	05/05/2023 - 09/05/2023



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Mr Rijin I K	Assistant Professor	FDP on "OBE Philosophy and Practice"	05/05/2023 - 09/05/2023
Mr Akhil K K	Assistant Professor	FDP on "OBE Philosophy and Practice"	05/05/2023 - 09/05/2023
		FDP on "Artificial Intelligence"	26/08/2022 - 31/08/2022
Ms Najira Salam	Assistant Professor	FDP on "Distributed Computing"	30/01/2023 - 01/02/2023
Ms Rajitha K V	Assistant Professor	FDP on "Distributed Computing"	30/01/2023 - 01/02/2023
		FDP on "OBE Philosophy and Practice"	05/05/2023 - 09/05/2023
Ms Ujwala Vijayan	Assistant Professor	FDP on "Artificial Intelligence"	16/01/2023 - 20/01/2023
		FDP on "OBE Philosophy and Practice"	05/05/2023 - 09/05/2023
		FDP on "Distributed Computing"	30/01/2023 - 01/02/2023
Ms Anu Treesa George	Assistant Professor	FDP on "OBE Philosophy and Practice"	05/05/2023 - 09/05/2023
		FDP on "AI/ML"	10/05/2023 - 14/05/2023
		Online short term course on "Advanced python programming"	27/01/2023 - 30/01/2023
		FDP on "Distributed Computing"	30/01/2023 - 01/02/2023
		FDP on "Recent tools and technologies for data science and Artificial intelligence"	19/09/2022 - 26/09/2022
Ms Jijina M T	Assistant Professor	FDP on "Distributed Computing"	30/01/2023 - 01/02/2023
		FDP on "OBE Philosophy and Practice"	05/05/2023 - 09/05/2023
		FDP on "Software Testing"	03/03/2023,04/03/2023, 17/03/2023,18/03/23



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Ms Rahna C M	Assistant Professor	FDP on "Distributed Computing"	30/01/2023 - 01/02/2023
		FDP on "OBE Philosophy and Practice"	05/05/2023 - 09/05/2023
		FDP on "Software Testing"	03/03/2023,04/03/2023, 17/03/2023,18/03/2023
Ms Sisna P	Assistant Professor	FDP on "Distributed Computing"	30/01/2023 - 01/02/2023
		FDP on "OBE Philosophy and Practice"	05/05/2023 - 09/05/2023
		FDP on "Software Testing"	03/03/2023,04/03/2023, 17/03/2023,18/03/2023
Ms Suhada C	Assistant Professor	FDP on "Distributed Computing"	30/01/2023 - 01/02/2023
		FDP on "OBE Philosophy and Practice"	05/05/2023 to 09/05/2023
Ms Abhiram P	Assistant Professor	FDP on "Cloud Computing"	30/01/2023 - 01/02/2023
		FDP on "AI/ML"	10/05/2023 to 14/05/2023
		FDP on "OBE Philosophy and Practice"	05/05/2023 - 09/05/2023
		FDP on "Distributed Computing"	30/01/2023 - 01/02/2023
		FDP on "Software Testing"	03/03/2023,04/03/2023, 17/03/2023,18/03/2023
Ms Sreelakshmi M	Assistant Professor	FDP on "Cloud Computing"	30/01/2023 - 01/02/2023
		FDP on "OBE Philosophy and Practice"	05/05/2023 - 09/05/2023
		FDP on "Distributed Computing"	30/01/2023 - 01/02/2023



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		Computing"	01/02/2023
		FDP on "Software Testing"	03/03/2023,04/03/2023, 17/03/2023,18/03/2023
Ms Manju M	Assistant Professor	FDP on "OBE Philosophy and Practice"	05/05/2023 - 09/05/2023
Ms Namitha P	Assistant Professor	FDP on "OBE Philosophy and Practice"	05/05/2023 - 09/05/2023
Ms Ashila K A	Assistant Professor	FDP on "OBE Philosophy and Practice"	05/05/2023 - 09/05/2023
Ms Lijisha T	Assistant Professor	FDP on "Knowing image processing and computer vision through python"	20/03/2023 to 22/03/2023
Liji Merlin Kurian	Assistant Professor	PDP on OBE and Accreditations	02-03-2023
		FDP on AI/ML	10-05-2023 14-05-2023
Ms Diya Rameshan	Assistant Professor	FDP on "AI/ML"	10/05/2023 to 14/05/2023
Ms. Ancy K Sunny	Assistant Professor	FDP on "AI/ML"	10/05/2023 to 14/05/2023
Dr.Reema Mathew A	Professor	FDP on "AI/ML"	10/05/2023 to 14/05/2023
Dr. S Vadhana Kumari	Professor	FDP on "AI/ML"	10/05/2023 to 14/05/2023
Dr. Manoj V Thomas	Professor	FDP on "AI/ML"	10/05/2023 to 14/05/2023
Ms. Thripathi P Balakrishnan	Assistant Professor	FDP on "AI/ML"	10/05/2023 to 14/05/2023

**Gap filling activities:**

The following table shows the details of gap filling activities of each subject and the details of corresponding faculties:

Sem	Subject Name	Subject Handling Faculty
S7	AIT401 Foundations of DeepLearning	Dr. Reema Mathew A
S7	ADT453 Information Extraction and Retrieval	Ms Karthika K
S5	ADT 301 Foundations of Data Science	Ms. Suhada C
S5	AMT 303 Introduction to Machine Learning	Dr. Jeethu V Devasia
S5	CST 303 Computer Networks	Sr Reema Jose
S5	CST 309 Management of Software Systems	Ms Karthika K
S3	CST 203 Logic System Design	Ms. Swathi Chandra M T
S3	CST 205 ObjectOriented Programming	Ms. Anit Thomas M
S5	AIT 307 Introduction to Artificial Intelligence	Ms. Anu Treesa George
S3	CST 201 Data Structures	Ms. Ancy K Sunny

**Placements:**

**The details of students who got placed are listed in the following table.**

1. Mr. Aravind Manohar, Mr. Akhil C. Sajan, Mr. Nikhil Narayanan and Mr. Sabin Suresh N.of S8 ME are placed by Accenta through campus recruitment.
2. Mr. Asish Mathew of S8 ME is placed in TCS.
3. Mr. Sreenadh G V, Mr. Naveen E V, Mr. Anuraj K, Mr. Akhil K P of S8 ME (2015-19 batch) are selected by IBS for placement.
4. Mr. Aswin Biju and Mr. Rohith P V and Mr. Vaishakh P of S8 ME (2015-19 batch) are offered placement by Agile Business consulting.

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5. Mr. Rohith P V, Mr. Sreehari P, Mr.K Anuraj, Mr. Mohammed Mishal and Mr. Sidharth P of S8 ME (2015-19 batch) are offered placement by INFINIZ IT SOLUTIONS.

6. M P Muhammed Farseen Hallaj of S8 ME (2015-19 batch) is offered placement by BOLT IOT.

7. Mr. Asish Mathew, Mr. Asish Prakash and Mr. K Anuraj of S8 ME (2015-19 batch) are placed by FEDERAL BANK.

8. Mr.K Anuraj of S8 ME (2015-19 batch) is shortlisted for placement by COGNIZANT.

Ms. Vedha Hemanth of S8 ME (2015-19 batch) is placed by AMAZON.

9. Mr. Febin Jose and Mr. Kiran (2014-18 batch) are placed through INDUSCAN at Chennai.

### **Workshops Conducted:**

1. Department of Mechanical Engineering has organized a one day workshop on “Innovations & Intellectual Property Rights” during 27 July 2018

2. As a part of insight of making our students skilled in the field of relevant academic software, a six days workshop on MSP and Primavera P6 software was conducted by the Department of Mechanical Engineering from 18<sup>th</sup> November 2018.

3. A Three day workshop on robotics and drone design was conducted by Department of Mechanical Engineering with cooperation of BIMLABS Trivandrum, from 23-01-19 to 25-01-2019.

4. A workshop on AutoCAD for the Technical Staff of Department of Mechanical Engineering was conducted on 04-01-2019 to 06-01-2019.

5. Department of Mechanical Engineering on collaboration with IIT Bombay has organised a one day workshop on 'Moodle Learning Management System' for Teachers and System administrators/Computer technical persons on Friday, 15 March 2019.

6. To make the school students familiar with the field of robotics, a workshop on Robotics was conducted by the Department of Mechanical Engineering under the program ‘Summer at VJEC’ on 20<sup>th</sup> and 21<sup>st</sup> May 2019.

7. With the intention of training the students in the field of Robotics and Automation, a one day workshop was conducted by the Department of Mechanical Engineering on 09- 03-2019.



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## Assessment Process

- The evaluation process involves a multifaceted approach, considering a range of criteria including subject proficiency (assessed through test papers), comprehension skills (evaluated through assignments), attendance records (indicating Regularity), seminar presentations (assessing demonstration abilities) and viva voce sessions.
- Guidelines differ by course and semester. Weightage varies between courses.
- Theory course max marks: internal 50, end semester 100, except some like Professional Communication and for lab courses CIE and ESE have equal weightage.
- College handles internal assessments, while the APJ Abdul Kalam Technological University conducts external exams.

## Measures to ensure the transparency and efficiency of internal assessment

- The college has established an internal examination cell responsible for ensuring the timely execution of schedules and diligently monitoring the entire process.
- Exams happen during the semester, with 3 tests, 2 assignments, and 1 internal lab exam
- Question papers follow the syllabus and are approved by IQAC and HOD.
- Answer sheets are evaluated and checked answer sheets are shown to the students.
- The results are uploaded in the CMS Spaneo used by the college.
- Result analysis is done by the faculty advisor and sessional result analysis is discussed at HoD level.
- Internal marks are displayed on the notice board and Parent Teacher Association (PTA) meetings are conducted periodically to make an effective discussion on student's performance.
- Practical and project grades consider practical exams, record books, and work quality.
- A centrally monitored computerized attendance system is executed in the college and the students can verify their attendance online.
- Attendance Progression Certificate is published at the end of each semester.
- The college provides a chance for rectification of errors in assignments and seminars and retests are allowed for genuine reasons.



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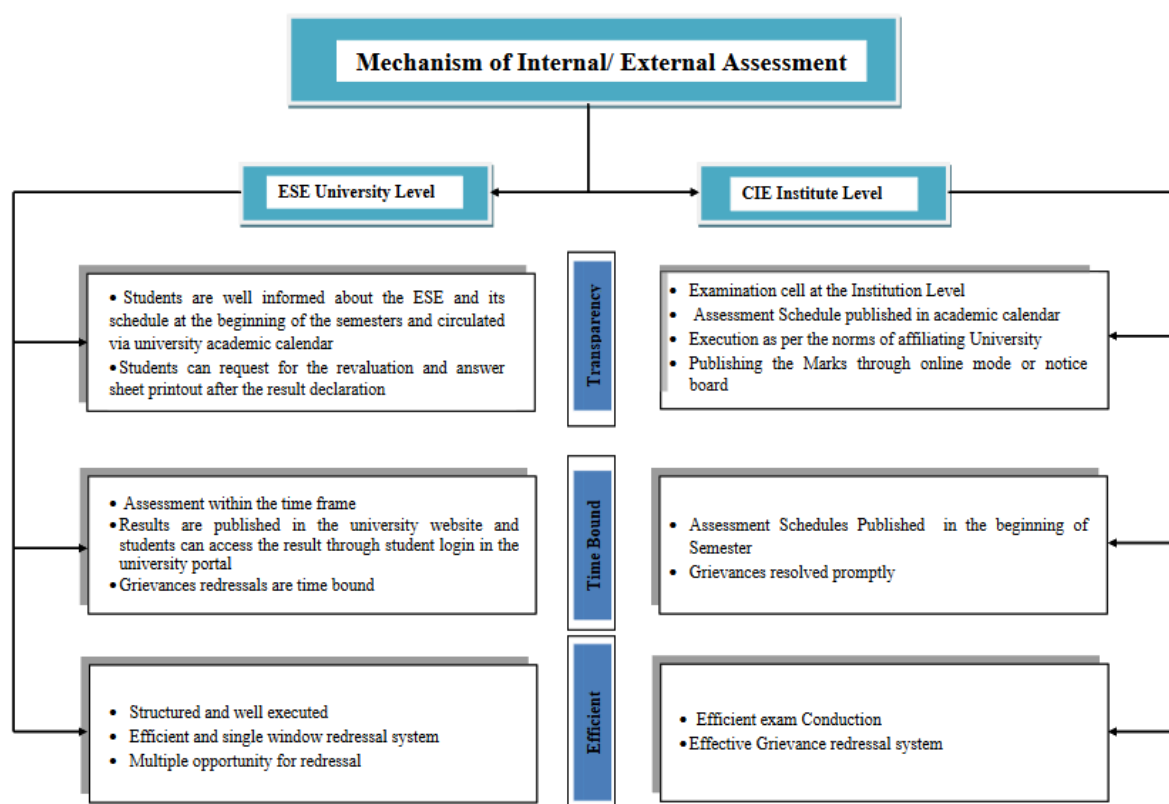
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- After student validation the internal marks are uploaded to the APJ Abdul Kalam Technological University internal mark submission portal.
- All the records of attendance in internal Examinations, Question papers, valued answer sheets and marks sheets, are properly maintained by the teachers for academic audit.



## Hierarchical System for Grievance Redressal Response:

### At Institute level

- The teacher distributes evaluated answer scripts to students addressing student concerns.
- Any issues with papers or marks are resolved by the teacher.
- Faculty mentors counsel and provide remedial classes for failing students.
- Absentees due to genuine reasons can take retests for internal assessments.



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## At University level:

- After the declaration of university results the students can apply for reevaluation. The University provides the students with an option of obtaining photocopy of their answer sheets
- Other concerns like missing data, questions asked from outside the syllabus, or tough questions, are reported to the controller of exams by faculty.

