



VIVEKANANDHA COLLEGE OF ENGINEERING FOR WOMEN  
(AUTONOMOUS)  
**STRATEGIC PLAN**



**1.INFRASTRUCTURE**

Academic Years		2018-'19	2019-'20	2020-'21	2021-'22	2022-'23
S No	Key Progress Area (KPA)	Progressive Enhancement Targets (PET) - Year-Wise				
1	Smart class(AV Hall)	2 New	2 New	2 New	All Dep	All Dep
2	Class room with LCD Projector(Window curtain)	50% of Classes	75% of Classes	100% of Classes	100% of Classes	100% of Classes
3	Modernization lab	25%	25%	25%	25%	New Lab
4	III Cell and EDC	Initiate	2 Prog/yr	3 Prog/yr	4 Prog/yr	5 Prog/yr
5	Centre of Excellence (CoE)	IoT Lab & Energy Lab	Biotech & Cloud	AI & Networking	Design Thinking	Robotics
6	CMS & LMS	75%	100%	100%	100%	100%
7	Library - ebooks	50/Dept	50/Dept	50/Dept	50/Dept	50/Dept
8	Quarters for Staff	5 Nos.	15 Nos.	25 Nos.	30 Nos.	35 Nos.
9	One Seminar hall for Each/Dept(A/c to Seminar hall- 1/ dept)	All Depts	All Depts	All Depts	All Depts	All Depts
10	Introduction of new UG & PG courses		Start One New UG	Start PG-Bio-Tech		
11	e-Governance	50%	75%	100%	100%	100%



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**2.TEACHING-LEARNING(CURRICULAM)**

Academic Years		2018-'19	2019-'20	2020-'21	2021-'22	2022-'23
S.No	Key Progress Area (KPA)	Progressive Enhancement Targets (PET) - Year-Wise				
1	Course Committee	Ist Year Maths	Ist & IInd Year Maths	Ist & IInd Year Maths & common courses	Ist & IInd Year Maths & common courses	Ist & IInd Year Maths & common courses
2	NIRF Ranking		Top 50 within TN state	Top 10 within SF Autonomous TN	Top 10 within SF Autonomous TN	Top 10 within SF Autonomous TN
3	ISO & data centre	Setup 100%	Fully	Enhance & Improve	Enhance & Improve	Enhance & Improve
4	Professional Society tie-up	1/dept	1/dept	1/dept	1/dept	1/dept
5	Branding (Ranking)	2 magazines	2 new magazines	2 new magazines	2 new magazines	2 new magazines
6	Innovative Teaching & Learning	1 Online Course /Dept	2 Online Course /Dept	2 Online Course /Dept	2 Online Course /Dept	2 Online Course /Dept
7	Outcome based education (OBE)	Initiate	Implementation	Enhance & Improve		
8	NBA	All UG (tier-1)	3 PG	2 PG	Renewal - All UG & 2 PG	2 PG
9	NAAC	AQAR /Semester	AQAR /Semester	AQAR /Semester	AQAR /Semester	AQAR /Semester
10	No. of Course with Question Bank	2 per Dept	4 per Dept	6 per Dept	6 per Dept	6 per Dept
11	Industrial Collaborated Courses	1 per Dept	1 per Dept	1 per Dept	1 per Dept	1 per Dept

12	Leadership course in the curricula		Initiate	Implementation	Enhance & Improve	
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**3.STUDENTS RELATED**

Academic Years		2018-'19	2019-'20	2020-'21	2021-'22	2022-'23
S. No	Key Progress Area (KPA)	Progressive Enhancement Targets (PET) - Year-Wise				
1	Admission (UG)	75%	80%	85%	85%	90%
2	Placement (UG)	70%	75%	80%	82%	85%
3	Admission (PG)	75%	80%	85%	90%	90%
4	Lateral Entry Admission	5%	5%	7%	10%	12%
5	Fee Concession	5%	7%	9%	10%	12%
6	Avg Cut-off	120	125	130	135	140
7	GATE - Appeared	50 Students	75 Students	100 Students	100 Students	125 Students
8	GATE - Qualified	10%	10%	20%	30%	40%
9	TANCET - Appeared	50 Students	75 Students	100 Students	100 Students	125 Students
10	TANCET - Qualified	10%	15%	20%	30%	50%
11	IELTS / TOEFL /GRE	Introduce	15 students	20 students	30 students	50 students
12	Entrepreneur Development	Introduce	5 no.s	10 no.s	15 no.s	20 no.s
13	Best Student - Awards	1/Dept(Course)	1/Dept(Course)	1/Dept(Course)	1/Dept(Course)	1/Dept(Course)

14	Top academic Students' Scholarship (Class-Wise)	2 per Class/Dept	2 per Class / Dept	2 per Class / Dept	2 per Class / Dept	2 per Class / Dept
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**4.FACULTY RELATED**

Academic Years		2018-'19	2019-'20	2020-'21	2021-'22	2022-'23
S.No	Key Progress Area (KPA)	Progressive Enhancement Targets (PET) - Year-Wise				
1	Pass % (UG)	75	80	>=85	>=90	>=95
2	Pass % (PG)	90	>=95	>=95	100	100
3	Faculty Avg. Experience	4	5	6	6	7
4	Student-Faculty Ratio	18	15	12	12	12
5	Attrition Rate	20%	15%	12%	10%	< 10%
6	Publication per Dept (with IM. Factor)	25%	50%	70%	75%	80%
7	Ph.D.	20%	25%	35%	40%	50%
8	Workshop / FDP Attended - External	1/Faculty	2/Faculty	2/Faculty	2/Faculty	2/Faculty
9	Workshop / FDP Attended - Internal	1	2	2	2	2
10	Industrial Training	1 / Dept	2 / Dept	2 / Dept	2 / Dept	2 / Dept

11	Faculty from Industry	3/Dept	3/Dept	5/Dept	5/Dept	5/Dept
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**5.CO-CURRICULAR(STUDENTS)**

<b>Academic Years</b>		<b>2018-'19</b>	<b>2019-'20</b>	<b>2020-'21</b>	<b>2021-'22</b>	<b>2022-'23</b>
<b>S. No</b>	<b>Key Progress Area (KPA)</b>	<b>Progressive Enhancement Targets (PET) - Year-Wise</b>				
1	Publication (PG) - Journal/Conference	50%	75%	100%	100%	100%
2	Projects (UG&PG)	3/dep	4/dep	4/dep	4/dep	5/dep
3	Workshop / Seminar Attended	1/Year	1/Year	1/Year	1/Year	1/Year
4	Industrial Visit	1/Year	1/Year	1/Year	1/Year	1/Year
5	In-Plant Training	1	1	1	1	1
6	Internship	6 Weeks	6 Weeks	6 Weeks	6 Weeks	6 Weeks
7	Club to Strengthen English	Introduce	1 Activity	2 Activities	2 Activities	2 Activities
8	Value Added Course(s)	1/Dept	2 / Dept (1 from Internal Staff)	2 / Dept (1 from Internal Staff)	2 / Dept (1 from Internal Staff)	2 / Dept (1 from Internal Staff)
9	Placement Training	15 Days / Year	15 Days / Year	15 Days / Year	15 Days / Year	15 Days / Year
10	Spoken Tutorials / SWAYAM	Introduce (1/Dept)	1/Dept	1/Dept	1/Dept	1/Dept



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**6.EXTRA CURRICULAR (SUPPLEMENTARY PROCESS)**

<b>Academic Years</b>		<b>2018-'19</b>	<b>2019-'20</b>	<b>2020-'21</b>	<b>2021-'22</b>	<b>2022-'23</b>
<b>S.No</b>	<b>Key Progress Area (KPA)</b>	<b>Progressive Enhancement Targets (PET) - Year-Wise</b>				
1	Sports	athletic	volley ball	Judo	Basket ball	cricket
2	Tournaments @ Level	Zonal Level	Zonal Level	Zonal Level	Zonal Level	University Level
3	Alumni Association	Introduce 1/Year	2/Year + Local Chapter	2/Year + 2 Local Chapter	2/Year + Decade meet	2/Year + 2 Local Chapter
4	Association	Introduce 1/Year	2/Year	3/Year	3/Year	3/Year
5	NSS/RRC/YRC	Introduce 3/Semester	3/Semester	3/Semester	3/Semester	3/Semester
6	IAS, IES (UPSC) & Banking exam	25 Students	30 Students	50 Students	75 Students	100 Students
7	Foreign Language Training	1 Language	2 Language	2 Language	2 Language	2 Language
8	Vocational / PMKVY / NSDC Training	1/dept	1/dep	1/dep	1/dep	1/dep
9	Village Adoption/ISR	1	1	1	1 (New)	1 (New)



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**7. RESEARCH AND DEVELOPMENT STRATEGY**

Academic Years		2018-'19	2019-'20	2020-'21	2021-'22	2022-'23
S. No	Key Progress Area (KPA)	Progressive Enhancement Targets (PET) - Year-Wise				
1	Research FDP/Workshop	2 Nos.	2 Nos.	2 Nos.	2 Nos.	2 Nos.
2	Ph.D. completion	1	2	2	3	3
3	Ph.D. registration	2	4	5	6	7
4	Ph.D. guide-ship	2 new	2 new	2 new	3 new	3 new
5	Funded Project - applied (10 - 15 lakhs)	5 Nos.	7 Nos.	10 Nos.	12 Nos.	15 Nos.
6	Funded seminar/workshop conducted	1	2	3	4	5
7	International Conference	1*	1*	1*	1*	1*
8	Major projects	2 Nos.	3 Nos.	4 Nos.	4 Nos.	4 Nos.
9	Funded Student Project	3/dep	4/dep	4/dep	4/dep	4/dep
10	MoU with industry	2 Nos.	3 Nos.	3 Nos.	3 Nos.	3 Nos.
11	MoU with IIT, NIT and reputed institutions	1 No	2 No	2 No	2 No	2 No
12	Consultancy	1 /dept	2 /dept	3 /dept	4 /dept	5 /dept
13	Patent applied (TOTAL)	2	5	10	20	25
14	Technology Incubator	1	1**	1**	1**	1**
15	Research centre <sup>+</sup>	Chemistry & ECE	IT & Physics	Maths & Mech.	English	

*\* -EEE&ECE and CSE&IT alternate years*

*\*\* -Every year min. 3-5 product proposals, '*

*+ -In addition to existing EEE and CSE centre*