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## DAYALBAGH EDUCATIONAL INSTITUTE: TWO-DECADE STRATEGIC PLAN 2012-2031 Department of Electrical Engineering

Broad Goals								AC	TIVI	ITY	TIM	ELINE						
Strategies		2012							2021			2022 -				2027		
Action Points for Timeline	12	13	14	15	16	17 1	18	19	20	21	22	23 2	4 25	26	27	28	29	30 31
1.Enhance the Quality of Undergraduate Programme																		
Improve UG teaching																		
To make students competitive and encourage peer learning																		
Special teaching facility for weak students																		
Improved planning and execution of curriculum																		
Promote Teaching Excellence																		
Awards/Fellowships to outstanding teachers																		
Appointment of sufficient and qualified supporting staff																		
Review of the progress of the department yearly																		
Improve Infrastructure																		
State-of-the-art lecture hall complex														1				
Upgradation of laboratories										_								
Better infrastructure for research in terms of laboratory and computing facilities																		
2.Attract Academically talented students																		
Publicity																	_	
Publicize achievements of staff and students																		
Publicize Alumni network /achievements																		
Web Presence																	_	
Faculty/department web pages																		
Courses offered + course material																		
Updated information																		
Special Schemes																-		
Institute Fellowships and opporuntities in sponsored to bright students																		
Encourage Students membership in professional societies																	+	
Enhanced students participation in activities outside DEI																	+	
Broad Goals								AC	TIVI	ITY	TIM	ELINE	-					_
Strategies		2012	2 - 2	016		2			2021			2022 -		6		2027	- 20	031
Action Points for Timeline						17 1	18	19	20	21								30 31
		10		10	10		10	10	20	21		20 2	. 20	20	21	20	20 .	50 01
3.Graduate Education and Research														+		-+	+	
Recruitment of outstanding Faculty														+		-+	+	
Appoint highly qualified faculty																		
Retain eminent professors after retirement as Emeritus Professors																		
Initiate Contractual appointment of experts from industry & other institutions/ organizations																		
																-	-	
Improved Research Endeavours						-	-						+	+		-+	+	-+
Encourage publications in high quality Journals																		

Encourage participation in reputed Conferences									
Apply for Patents									

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Organize Research Colloquia					_	_		_								4	$\vdash$	
Organize National conferences/Seminars			_					_								_	┢──┦	
Organize International Conferences					_	_	_	_								+	$\vdash$	
4.Upgrade All Facilities/ Establish New Facilities						_	_		_	_							⊢	
Sports and Games facility																	$\square$	
Staff recreation and indoor stadium with TT and Badminton facilities																	$\vdash$	
Setup Students sports auditorium and Gymnasium							_											
Setup Sports stadium and swimming pool																		
Computing and e-transmission facility																		
Upgrade Videoconferencing facility for department																		
Provide Access to high computing facility with high speed internet connection																		
Enrich Library																		
5. Harnessing Information and Communication Technology																		
Development of web enabled educational resources																		_
Enhance availability of e-classroom facility and provide trained staff																		
Setup Virtual laboratories																		
Provide access to reputed laboratories of other institutes /organizations																		
																		_
E- Classrooms (Addition)																		
Lecture Video archives to be made available																		
Retrofitting all classrooms																		
Videoconferencing Facility																		
High technology seminar rooms																	$\square$	_
Appointment of technical staff for operating e-learning facility																		
Setup Advanced Multimedia Facility in the Department																		
																		-
Broad Goals							A	CTI	VITY		1ELI	NE						
Strategies		2012	2 - 20	016		201							2026		20	)27 - 2	2031	
Action Points for Timeline	12	13	14	15	16 17	7 18	3 19	9 20	0 21	1 22	23	24	25	26 2	27 2	8 29	30	31
																		_
6.Campus Development																		
Additional buildings																		
Setup New classrooms/seminar and staff rooms							+	+	1							+	<u> </u>	
Setup Auditorium with sufficient seating capacity									1							+	<u> </u>	_
Provide a well equipped room for campus placement																+		_
							+			+						+		-
Parking, Amenities and Beautification																+		-
Improve parking facility							+									+		
Enhance/Expand Student Amenities																		
Beautification of campus																		
	1						1		1	_	1	1					<u> </u>	

Students activities centre		T	Т						1			1	1 1		ΤТ
Retrofit Cafeteria Faculty		_	-												+-+
		_	-												+-+
7. Buildup of the Research Technology Park/ Establishment of New Centers and Schools		_	-												+-+
Center of Excellence in Power Engineering		_	-												+-+
Solar Energy (solar photovoltaic) Park			-												+-+
Development of Smart Grid Models															+-+
Advanced power laboratory															+
Advanced testing laboratory with national accreditation board of testing and collaboration laboratories			-												+-+
Advanced testing laboratory with national accreditation board of testing and collaboration laboratories															++
Center of Excellence in Electronics & Communication Engineering															
Development of Communication laboratory															
Establish and Expand Digital Signal Processing Laboratory															
Upgrade Power Electronics laboratories															
							$\vdash$								++
Center of Excellence in Computing Science							1								++
Upgrade Soft Computing Laboratory											1				++
Upgrade Image Processing Laboratory											-				++
Upgrade Computer Architecture and Computer Networks Laboratory															
8.Outreach				-											+
Generate resource material for Distance Mode				-											
Course material development															
Web enabled learning resource center for Electronics and Communication Engineering															
Others															
Introduce Electronics Engineering UG Programmed through Distance Mode															+ +
For DEI Rajaborari /Timarni Centre															
For DEI MTV Puram Centre															
For DEI Murar Centre				_											
Provide support to Diploma classes				_											
Wireman courses															
Electrician courses															
Electronics courses															
Broad Goals			_			AC		ITY	TIM	ELINE	:				
Strategies	2012	2 - 20	016		20	17 - 2				022 -		6		2027 -	2031
Action Points for Timeline															9 30 3
9.Collaborations and Connections			1				1								++
Explore MOU's							1								++
IITs / R and D Laboratories															
Industries															
Student – Staff Exchange															++
Setup formal mechanisms for Staff - student exchange															
Initiate collaborative R&D projects with other Institutions / Industrial Consultancy															
		-													1

Initiate Joint research guidance																		
																	_	
Consultancy							-	-							_		_	
Promote consultancy with industries																		
Promote Hiring of industrial experts for special lectures								+										-
Initiate Ph. D. Guidance jointly with qualified industry experts																	$ \rightarrow$	
																		_
10.Strengthening alumni connections								1										_
Alumni Activities																		
Organize annual meet of all Alumni at faculty																		
Organize special lectures /placement talks by Alumni								+										
Placement assistance																		
Constitution of best Alumni award								+										
Setup Student merit scholarships with support from Alumni								+										
Provide other forms of recognitions to ex-students								+										
Publication of Faculty News Letter		$\neg$					+	+						+			+	
Publishing Alumni achievements and feedback; Achievements by the faculty; Placement and training news																		
11.Achieving University Excellence and Recognition																		
Awards and fellowships																		_
Track recommendation by existing fellows																		
Motivate faculty to apply for awards								+										
Encourage membership of professional bodies																		-
Publications																		
Motivation for publishing in high impact factor journals																		
Books and Monographs																		
Technical articles in national magazines and news papers																		
Faculty Enrichment																		
Appointment of eminent visiting professors																		
Staff training in subject related courses, public dealing, TQM																		
Recognitions for best teaching and research																		
Broad Goals				•			A	CTI	VIT	Y TIN	IELI	NE						
Strategies		2012						202					026		202			
Action Points for Timeline	12	13	14	15 1	16 ′	17 18	3 19	9 20	0 2'	1 22	23	24	25	26 27	7 28	29	30	31
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12.Streamlined Governance																		
Faculty level office automation																		
Additional office superintendents to be appointed and trained																		
Training of staff for working with computers and software																		
Training on maintenance of faculty records																	$\square$	
Examination office automation																		
One superintendent be appointed for examination work																		
Appointment of staff for faculty examination office																		
Setup automated Evaluation System																		
										1	1			1				
Office of HOD			-				-	_	-	-				-				

Appoint One suprintendent be appointed for office of HOD										
Technical staff for working with computers and automated evaluation software and ERP										