



Architecture of Department for the plan Scientific research 2019-2024



prioritization	Research specialization	scientific department	Applied research projects 20%			Promotion research %20	Degree research		Research field Sub	Research field the main	Egypt's Vision for 2030 scientific research
			Funding source	The proposed budget is in pounds	Research project		PhD topics %20	Master's topics %40			
4	Building science and technology	Architecture	Graduate Fund	100000	A field documentary study of construction technology in Egypt	Contemporary applications drawn from the history of building technology	The philosophical product of the development of construction technology thought	Read about the history and technology of construction	History and philosophy of building science and technology	Building science and technology -1	:First) The economic dimension includes the following topics Economic development and energy - Science, technology and innovation -
3	Building science and technology	Architecture	Academy of Scientific Research	1000000	Experiments on the response of finishing materials to climate in Egypt	Value engineering and advanced building materials	New applied aspects	Sustainable finishing materials	Finishing materials and installation techniques		
2	Building science and technology	Architecture	Academy of Scientific Research	1000000	Building assembly experiments	The influence of prefabricated buildings on the philosophy of form	Cost management of prefabricated buildings	Prefabricated high-rise buildings	Prefabricated buildings research		
1	Building science and technology	Architecture	Graduate Fund	100000	Establishing an advanced computer laboratory for parametric design	Information programming applications and their relationship to building technology development	CNC facilities management	Building information modeling	Computerized building information systems		
2	Building science and technology	Architecture	Graduate Fund	100000	Creating a training program for project	Advanced project management	Managing mega projects	Implementation project management	Projects management		



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					management software						
1	Building science and technology	Architecture	Academy of Scientific Research	100000	Experimental research on performance monitoring devices	Programming sustainable automation systems	Interactive buildings	Programming building elements to monitor performance	Managing and programming components and services		
1	Building science and technology	Architecture	Academy of Scientific Research	1000000	Building disease diagnosis laboratory	Reactive building maintenance	Applications of carbon fiber in restoration	Restoration and maintenance technology for building types	Maintenance and restoration of buildings		
3	Building science and technology	Architecture	Academy of Scientific Research	100000	Research experiments to reduce the cost of construction	Modern technology for constructing buildings and its economic impact	Creating building economics software	Building economics alternatives	Economics of building and construction		
2	Building science and technology	Architecture	Academy of Scientific Research	200000	A research team to conduct a comparative study to evaluate projects in the regions	Economics of project evaluation	Project evaluation and correction procedures	Analysis of construction projects	Project analysis and evaluation research		
2	Building science and technology	Architecture	Academy of Scientific Research	400000	Innovation and building materials development laboratory	Building materials and energy conservation	Modifying building materials in the direction of sustainability	Building materials and their development	Building materials research		
5	Building science and technology	Architecture	Academy of Scientific Research	100000	A research project on prevailing building	Pioneers of building technology and architectural regionalism	The role of building technology in determining the governing	An analytical study of building technology and	Building technology and 21st science in the century		



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					systems in the 21st century		concepts of architecture	science in the 21st century			
4	Building science and technology	Architecture	Academy of Scientific Research	100000	Regional materials manufacturing technology	Regional comparisons of countries	Regional theory of unified architecture	Diversity of architectural regions in Egypt	Local and regional technology and architecture		
2	Building science and technology	Architecture	Academy of Scientific Research	100000	Construction economics and costs research	Planning the most appropriate solutions to reduce costs and achieve quality	Compare construction costs between countries	An analytical study of construction cost planning	Construction engineering and planning costs		
3	Building science and technology	Architecture	Academy of Scientific Research	100000	Building sustainability experiences	The development of construction processes and their impact on the sustainable urban environment	Achieving sustainability of existing buildings	Sustainable construction	Studies in sustainability in construction operations		
1	Building science and technology	Architecture	Academy of Scientific Research	300000	Digital manufacturing laboratory for construction components	Prospects of digital manufacturing	Comparing the performance of mechanization and traditional building systems	Development of mechanization of construction methods	Mechanization of the construction industry		



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prioritization	Research specialization	scientific department	Applied research projects 20%			Promotion research %20	Degree research		Research field Sub	Research field the main	State trends For scientific research 30/20
			Funding source	The proposed budget is in pounds	Research project		PhD topics %20	Master's topics %40			
1	Environmental design and planning	Architecture	Academy of Scientific Research	300000	Environment laboratory	Programming environmental design solutions	Advanced environmental design and its implementation systems	Environmental design determinants	Environmental design	Environmental design and planning -2	:Second) The environmental dimension includes the following topics Environment and urban development
2	Environmental design and planning	Architecture	Graduate Fund	200000	Research design trends and ways to develop them	Prevailing global trends in environmental design	Urban development through environmental design	Evolving environmental design trends	Environmental design trends		
3	Environmental design and planning	Architecture	Graduate Fund	100000	Environmental planning research for existing areas	Comparison of environmental planning systems	Planning different environments	Planning mixed environments	Environmental planning		
4	Environmental design and planning	Architecture	Academy of Scientific Research	100000	Lighting systems measurement and evaluation laboratory	Reducing energy consumption through lighting systems	The impact of lighting systems on energy consumption and architectural treatments	Determine appropriate lighting methods in buildings	Natural and artificial lighting		



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1	Environmental design and planning	Architecture	Academy of Scientific Research	500000	Aerodynamics laboratory	Developing software to calculate air movement for internal spaces	Designing air movement guidance systems in architecture and urbanism	Measurement of architectural air movement	Architectural air movement		
4	Environmental design and planning	Architecture	Academy of Scientific Research	200000	Ecosystem integration research	Programming information systems integration environments	Formation of environmental systems integration programs	An analytical study of the integration of environmental systems	Integrated environmental systems		
3	Environmental design and planning	Architecture	Academy of Scientific Research	100000	Coastal environment research	Architecture based on coastal energy thought	Architectural treatments for alternative and renewable energy plants	The impact of energy thought on environmental design	Alternative and renewable energy		
2	Environmental design and planning	Architecture	Academy of Scientific Research	1000000	Laboratory for simulating the environmental performance of buildings and areas	Programming environmental assessment systems	Environmental architecture evaluation	Environmental architecture analysis	Environmental analysis and assessment		
1	Urban design	Architecture	European Union programme	250000	Urban Models Laboratory	Tracking the development of urbanization using the	Recreating urbanism through advanced software	Urban software and its role in advancement	Programming and urban research	Urban -3 an desi	



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						spatial sentence					
2	Urban design	Archite cture	Graduate Fund	50000	Communitie s and urban development research	Closed residential communities and their impact on urban areas	Urban development and community culture	The role of new urban communities in development	Housing and development		
3	Urban design	Archite cture	Academy of Scientific Research	100000	Research to improve societies	Developmen t of rural communities	Designing modern societies	Historical background on community design	Design and development of communities		
2	Urban design	Archite cture	Graduate Fund	100000	Local development laboratory for heritage areas	Urban preservation of historical areas	Designing urban preservation strategies in Egypt	Research on the history of the development of urban preservation	Urban preservation		
2	Urban design	Archite cture	Graduate Fund	100000	Urban economics research	Economic studies of urban development	Integrating economic and social approaches to improving Egyptian urbanism	Urban economics	Economic and social studies of Egyptian urbanism		
2	Urban design	Archite cture	Graduate Fund	100000	Urban economics research	Advanced urban studies	Urban anatomy for development purposes	Urban studies of existing communities	Research in urban studies	Urban design	
1	Urban design	Archite cture	Academy of Scientific Research	100000	Visual studies research	Advanced visual studies	A comparative study of the visual reality of northern	An analytical study of the visual reality of northern cities	Visual studies of the city	Urban design	



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							and southern cities				
2	Urban design	Architecture	Graduate Fund	50000	Residential community development research	Changing levels of residential communities	Urban development and residential areas	The role of new residential communities in development	Development of new residential communities		
1	Urban design	Architecture	Academy of Scientific Research	1000000	Project to develop informal areas in Sharqiya	Approaches and policies for developing informal areas	Cultural and urban upgrading of informal housing areas	An analytical study of informal housing areas	Entrances to the development of illegal housing areas		
2	Urban design	Architecture	Academy of Scientific Research	500000	Urban formation simulation laboratory	The development of urban formation thought in the world	Culture and urban formation	Theories of urban formation	Urban formation and design		
2	Urban planning	Architecture	Academy of Scientific Research	100000	Planning and land use research	Advanced studies in planning and land use	Advanced typological analysis of land use	An analytical study of land use throughout the ages	Planning and land use	Planning	
2	Urban planning	Architecture	Academy of Scientific Research	100000	Research Urban) (Planning	Advanced studies in geographic information systems urban) (planning	Designing geographic information systems software to improve cities	toGIS Using improve land use	Geographic Information Systems (Urban Planning	Planning	



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3	Urban planning	Architecture	Academy of Scientific Research	100000	Research Infrastructure planning	Advanced studies in infrastructure planning	Infrastructure of million cities	Infrastructure analysis patterns	Infrastructure planning	Planning
2	Urban planning	Architecture	Academy of Scientific Research	50000	Population studies and urban sociology research	Advanced studies in population studies and urban sociology	Analysis of urbanization and its impact on urbanization	Culture and urban society and their impact on the population	Population studies and urban sociology	
3	Urban planning	Architecture	Academy of Scientific Research	100000	Culture and urban research	Advanced studies in culture and urbanism	Philosophy of urban culture	Analysis of urban cultures	Culture and urbanism	
2	Urban planning	Architecture	Academy of Scientific Research	100000	Programming , research urban research and planning	Advanced studies in ,programming urban research and planning	Philosophy of urban planning	Introduction to urban development simulation programming	,Programming urban research and planning	
2	Urban planning	Architecture	Academy of Scientific Research	100000	Urban laws and legislation research	Advanced studies in urban laws and legislation	A predictive study of the pattern of change in urban laws	Tracking the development of urban laws and legislation and their impact on the environment	Urban laws and legislation	



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2	Urban plannin g	Archite cture	Academy of Scientific Research	100000	Development research and urban planning	Advanced studies in development and urban planning	A predictive study of the pattern of urban development change	Tracking the development of development and urban planning policies	Urban development and planning		Planning
3	Urban plannin g	Archite cture	Academy of Scientific Research	100000	Development research and regional planning	Advanced studies in regional planning	Regional planning philosophy	Analysis of the influences of the development of regional planning	Regional development and planning		
3	Urban plannin g	Archite cture	Academy of Scientific Research	100000	Rural development research	Advanced studies in rural development	Rural development philosophy	An analytical study of the determinants of rural development	Rural development		
2	Urban plannin g	Archite cture	Academy of Scientific Research	100000	Planning theory research	Advanced studies in planning theories	A correlational study of the philosophy of planning theories	Track the development of planning theories	Planning theories		
2	Urban plannin g	Archite cture	Academy of Scientific Research	100000	Urban geography research	Advanced studies in urban geography	Philosophy of urban geography	An analytical study of urban geography	Urban geography		
2	Urban plannin g	Archite cture	Academy of Scientific Research	100000	Urban economics research	Advanced studies in urban economics	Philosophy of urban economics	An analytical study of the urban economy	Urban economics		



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1	Urban planning	Architecture	Academy of Scientific Research	300000	Residential area planning research	Advanced studies in residential area planning	Planning residential areas and its reflection on culture	An analytical study for planning residential areas	Residential area planning		
2	Urban planning	Architecture	Academy of Scientific Research	100000	Planning analysis research	Advanced studies in planning analysis	Philosophy of planning analysis	An analytical study of the planned areas between ancient and modern	Methods of analysis in planning		
prioritization	Research specialization	scientific department	Applied research projects 20%			Promotion research %20	Degree research		Research field Sub	Research field the main	State trends For scientific research 20/30
			Funding source	The proposed budget is in pounds	Research project		PhD topics %20	Master's topics %40			
1	Architectural studies	Architecture	Graduate Fund	100000	Research on the history and theories of architectural thought	Advanced studies in the history and theories of architectural thought	Philosophy of architectural thought	Development of theories of architectural thought	History and theories of architectural thought	Architectural studies -4	The social dimension , which (Third) : includes the following topics Social justice, education, training and
2	Architectural studies	Architecture	Academy of Scientific Research	100000	Humanities research in architecture	Advanced studies in the humanities in architecture	Reproducing human architecture	Humanizing architecture	Humanities in Architecture		
3	Architectural studies	Architecture	Academy of	100000	Research on theories and philosophy of	Advanced studies in the theories and	Philosophical presentation	Analysis of the philosophy of architectural	Theories and philosophy of		



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			Scientific Research		architectural beauty	philosophy of architectural beauty	n of contemporary architectural beauty	beauty throughout the ages	architectural beauty		
4	Architectural studies	Architecture	Graduate Fund	100000	Culture and architecture research	Advanced studies in culture and architecture	The philosophy of shaping culture through architecture	Study of the influence and influence of culture and architecture	Culture and architecture		
1	Architectural studies	Architecture	Graduate Fund	700000	Architectural molding and composition laboratory	Advanced studies in architectural formation and composition	Philosophy of architectural composition	Symbolic composition of buildings	Architectural formation and composition		
2	Architectural studies	Architecture	Academy of Scientific Research	100000	Architectural preservation research	Advanced studies in architectural preservation	The philosophy of architectural preservation in the era of globalization	An analytical study of architectural preservation thought	Architectural preservation		
2	Architectural studies	Architecture	Graduate Fund	100000	Research on repurposing archaeological buildings	Advanced studies in repurposing archaeological buildings	The philosophy of repurposing archaeological buildings	An analytical study of the idea of repurposing archaeological buildings	Repurposing archaeological buildings		



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1	Architectural studies	Architecture	Academy of Scientific Research	3000000	Heritage building information modeling research	Advanced studies in information modeling of heritage buildings	Philosophy heritage of building information modeling	An analytical study of the idea of information modeling of heritage buildings	Heritage building information modeling		
2	Architectural studies	Architecture	Academy of Scientific Research	100000	Research on the management of heritage buildings and museums locally and internationally	Advanced studies in the management of heritage buildings and museums locally and internationally	The philosophy managing of heritage buildings and museums locally and internationally	An analytical study of the thought of managing heritage buildings and museums locally and globally	Managing heritage buildings and museums locally and internationally		
2	Architectural studies	Architecture	Graduate Fund	100000	Architectural design and programming tools research	Advanced studies in architectural design and programming tools	Architectural programming philosophy	An analytical study of architectural design and programming tools	Architectural design and programming tools		
2	Architectural studies	Architecture	Academy of Scientific Research	100000	Research intellectual trends in architecture	Advanced studies in the intellectual trends of architecture	Philosophy of intellectual trends of architecture	An analytical study of the intellectual trends of architecture	Intellectual trends of architecture		
3	Architectural studies	Architecture	Academy of Scientific Research	100000	Dispute resolution research in architectural issues	Advanced studies in dispute resolution in	Philosophy of dispute resolution in	An analytical study of the thought of dispute resolution in architectural issues	Dispute resolution in architectural issues		



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						architectural cases	architectural issues				
3	Architectural studies	Architecture	Graduate Fund	100000	Architectural criticism research	Advanced studies in architectural criticism	Philosophy of architectural criticism	An analytical study of architectural criticism thought	Architectural criticism		
1	Architectural studies	Architecture	Academy of Scientific Research	3000000	Advanced heritage building information modeling laboratory	Advanced studies in advanced heritage building information modeling	Advanced heritage building information modeling philosophy	An analytical study of the idea of heritage advanced building information modeling	Advanced heritage building information modeling		
3	Architectural studies	Architecture	Academy of Scientific Research	100000	in research architecture	Advanced studies in symbolic expression in architecture	The philosophy of symbolic expression in architecture	An analytical study of the idea of symbolism in architecture	Symbolic expression in architecture		