



### IEK CALENDAR OF ACTIVITIES - YEAR 2021

SNO	Proposed Topics	Date	Duration		Proposed PDU's	Brief Description	Amount	Target Members
		<b>DECEMBER</b>						
1.	Contract Management Webinar	8/12/2020	2 HRS	Week 1	4 PDU			
2.	President's End Year Dinner	18/12/2020	4 HRS		4 PDU			
		<b>JANUARY</b>						
3.	Agency Based PIP for Kenya Power	26/01/2021	3 HRS	Week 4	4 PDU			
		<b>FEBRUARY</b>						
4.	BIM/ Autodesk Webinar	05/02/2021	3 HRS	Week 1	4 PDU			Repeat webinar

5.	The Digital World in Construction Industry	12/02/2021	3 HRS	Week 2	4PDU	Engineers will be updated on leading-edge digital technologies that are set to shape the future of construction. And how they can adopt these transformative new technologies, tools and processes	@1500	100
6.	Importance of air management in liquid transmission systems	17/02/2021	3 HRS	Week 3	4 PDU	Participants will learn the importance of managing air and the interactions of air and water in liquid transmission systems.	@1500	100
7.	Engagement with KRA Webinar	25/02/2021	3 HRS	Week 4	4 PDU			
8.	National Building Regulations, Kenya (Building Code 2020)	26/02/2021	3HRS	WEEK 4	4PDU	Engineers will be updated on the changes introduced in the Building Code, 2020.	@1500	100
9.	ADR Mechanisms - Opportunities for Engineers	26/02/2021	3 HRS	Week 4	4 PDU			

		MARCH						
10.	2 <sup>nd</sup> World Engineers' Day	04/03/2021	8 HRS	Week 1	9 PDU			
11.	Sustainability in Building Designs	05/03/2021	3 HRS	Week 1	4 PDU	<i>Engineers will be updated on the concept of sustainability in building designs</i>	@1500	100
12.	International Women's Day	08/02/2021	3 HRS	Week 2	4 PDU			
13.	Inauguration of Career week for Universities	09/03/2021	3 HRS	Week 2	4 PDU			
14.	Civil, Structural, Highways, Construction, Water and Sanitation Engineering and Management Career in the 21st Century	10/03/2021	3 HRS	Week 2				
15.	Electrical, Telecommunications, Computer Engineering, Energy Sector Disciplines in the 21st Century	11/03/2021	3 HRS	Week 2				

16.	Mechanical, Production, Mechatronics, Bio-systems, Aeronautical, Marine Engineering Career in the 21st Century	12/03/2021	3 HRS	Week 2				
17.	Transportation modelling	10/03/2021	3 HRS	Week 2	4 PDU	<i>Engineers will be introduced to Transportation modelling, covering both microsimulation and demand forecasting and show why it necessary and in what projects it should be applied. Recent examples where it has been applied in Kenya will be provided as well as available modelling software</i>	@1500	100
18.	Agency based PIP for KeNGEN	19/03/2021	8 HRS	Week 3	9 PDU			
19.	Seismic Retrofit of buildings	26/03/2021	3 HRS	Week 4	4PDU	<i>Engineers will be introduced to seismic/normal retrofit of buildings</i>	@1500	100

		APRIL						
20.	ACEK/IEK Water Webinar	07/04/2021	3 HRS	Week 2	4 PDU			
21.	Leveraging on Regulatory Framework to Boost Automotive Industry in Africa	09/04/2021	3 HRS	Week 2	4 PDU		@1500	100
22.	Environmental and Social Impact Assessment(ESIA) Studies on Infrastructure Projects	16/04/2021	3 HRS	Week 3	4 PDU	<i>Engineers will be introduced to concepts for design in tall timber buildings</i>	@1500	100
23.	ANNUAL GENERAL MEETING	30/04/2021	2 HRS	Week 4	3 PDU			
24.	Trainers of Trainers for PEs on Effective Mentorship	23/04/2021	5 HRS	Week 3	5 PDU			
25.	Engineers Scheme of Service webinar	28/04/2021	2 HRS	Week 4				

		<b>MAY</b>						
26.	Labour Day	01/05/2021	<b>3HRS</b>	<b>Week 1</b>				
27.	Agency based PIP for GDC	06/05/2021	<b>3 HRS</b>	<b>Week 1</b>	<b>4 PDU</b>			
	Leveraging on e-resources for advancement of the Engineering Fraternity: Launch of e-Library	07/05/2021	<b>3 HRS</b>	<b>Week 1</b>	<b>4 PDU</b>		<b>@1500</b>	<b>100</b>
28.	Competency Based training for GEs	07/05/2021	3 HRS	Week 1	<b>9PDUs</b>			
29.	The future of Kenya's agricultural industry	13/05/2021	<b>3 HRS</b>	<b>Week 1</b>	<b>4 PDU</b>	The participants will benefit from the experiences on agribusiness financing and agro-exports for wealth creation	<b>@1500</b>	<b>100</b>

30.	Membership Drive across the country	14/05/2021	-	Week 2				
31.	Agency Based PIP- County Govt (Nairobi/Kakamega /Kajiado/Garisa	19/05/2021	5 HRS	Week 3	4 PDU			
32.	Cement Processing in Kenya - Role of Engineering	20/05/2021	3 HRS	Week 2	4 PDU		@1500	100
33.	Agency based PIP for GDC	21/05/2021	3 HRS	Week 3	4 PDU			
		<b>JUNE</b>						
34.	Engineers Ethics in Building industry	4/06/2021	3 HRS	Week 1	4PDU			
35.	Work Zone Safety	10/06/2021	3 HRS	Week 2	4PDU	Engineers will be introduced to Road safety in general and work zone safety specifically. It will cover the need for Traffic Management Plans, staging, and other requirements at construction sites to maintain safety and passage of traffic at satisfactory levels of service	@1500	100

36.	Agency Based PIP-Water Service Boards	11/06/2021	3 HRS	Week 1	4PDU			
37.	Membership Drive across the country	11/06/2021	-	Week 2				
38.	Leadership training	14 <sup>th</sup> – 18 <sup>th</sup> June 2021	4 hrs per day.	Week 3		Engineers will be sensitized on key leadership skills required to deliver better projects.		
39.	Membership Drive across the country	18/06/2021	-	Week 3				
40.	PUMP STATIONS: DESIGN, OPERATION, MAINTENANCE, COMMERCE.	18/06/2021	3 HRS	Week 3	4PDU	No water utility operates a self-sustaining business in Africa. To achieve sustainable pumping regimes scientists and engineers have come up with many solutions including hydro power turbine pumping systems, wind powered pumping stations, solar power plants, power factor correction capacitors, better pump designs, soft starters, variable frequency drives, permanent magnet motors,	@1500	100



						<p>IEE motor classification. These are aimed at delivering more reliable, cost effective, highly efficient and longer lasting equipment.</p> <p>The webinar will cover the following areas</p> <ul style="list-style-type: none"> <li>• Pump Station Design for Sustainable Business</li> <li>• Operations and Maintenance.</li> <li>• Link Between Design and Maintenance</li> </ul>		
<b>41.</b>	<b>President's Dinner</b>	25/06/2021	<b>3 HRS</b>	<b>Week 4</b>	<b>4PDU</b>			
		<b>JULY</b>						
<b>42.</b>	Fast tracking manufacturing of telecommunications equipment and devices in Kenya: current status, challenges and the way forward	02/07/2021	<b>3 HRS</b>	<b>Week 1</b>	<b>4PDU</b>		<b>@1500</b>	<b>100</b>

43.	Online training for Engineering procurement.	5 <sup>th</sup> to 9 <sup>th</sup> July 2021	Full day 8.30am - 4.30pm.	Week 1-2		Training aimed at equipping Engineers with basic procurement knowledge and tools to enable them successfully navigate their roles in a procurement process while complying with the law.		
44.	State of Manufacturing in Kenya - potential and Challenges	09/07/2021	3 HRS	Week 2	4PDU		@1500	100
45.	Industry 4.0 Training	06/08/2021	3 HRS	Week 1	4 PDU		@1500	100
46.	Agency based PIP for KeNGEN	16/07/2021	8 HRS	Week 2	9 PDU			
47.	Engineers Golf tournament	23/07/2021	5HRS	Week 3		Bring together all Engineer golfers/golf lovers to compete and network	200,000.00	
		<b>AUGUST</b>						

48.	Industry 4.0 Automation Case Study	06/08/2021	3 HRS	Week 3	4 PDU		@1500	100
49.	Irrigation systems design	12/08/2021	3 HRS	Week 2	4 PDU	Engineers will be taken through the changing design space in irrigation	@1500	100
50.	Agency based PIP for Huwaei/Safcom	13/08/2021	3 HRS	Week 2	4 PDU			
51.	ADR Webinar	20/08/21	3 HRS	Week 3		Topic to be put later		
52.	Digital Transformation and Driving Efficiency Using IOT	20/08/2021	3 HRS	Week 3	4 PDU		@1500	100
53.	Katiba Day	27/08/2021	3HRS	Week 4				
		<b>SEPTEMBER</b>						
54.	4 <sup>TH</sup> IEK WOMEN ENGINEERS SUMMIT	07/09/2021	1 DAY	Week 1	4 PDU			

55.	28 <sup>TH</sup> IEK INTERNATIONAL CONFERENCE	08-10/09/2021	3 DAYS	Week 1	25 PDU			
56.	CAA/KQ COVID 19 Impact	10/09/2021	3 HRS	Week 2	4 PDU	Engineers will be taken through KQ and COVID 19.	@1500	100
57.	1 <sup>st</sup> IEK YOUNG ENGINEERS SUMMIT	07/09/2021	1 DAY	Week 1	4 PDU			
58.	Renewable Energy in Kenya - Technologies, Status and Opportunities	21/09/2021	3 HRS	Week 3	4 PDU		@1500	100
		<b>OCTOBER</b>						
59.	Public Transportation Solutions for all in Nairobi	8/10/2021	3HRS	Week 2	4 PDU		@1500	100
60.	Agency Based PIP- County Govt (Nairobi/Kakamega /Kajiado/Garisa	15/10/2021	5 HRS	Week 3	4 PDU			

61.	Mashujaa Day	20/10/2021	3 HRS	Week 3				
62.	Energy Mix, Demand and Tariffs	21/10/2021	3 HRS	Week 3	4 PDU		@1500	100
63.	WFEO General Assembly 2021 & World Engineering Summit 2021	25 <sup>th</sup> – 29 <sup>th</sup> Oct 2021	<b>3 HRS</b>	<b>Week 4</b>	<b>4 PDU</b>			
		<b>NOVEMBER</b>						
64.	Engineering intervention with Agricultural systems structures for Post-Harvest losses	11/11/2021	<b>1 DAY</b>	<b>Week 1</b>	<b>4 PDU</b>	Engineers will explore the structural measures to remedy the overwhelming postharvest losses in Agriculture	<b>@1500</b>	<b>100</b>
65.	ADR Webinar	17/11/2021	<b>3HRS</b>	<b>Week 3</b>	<b>4PDUs</b>	<b>Topic to be put later</b>		
66.	Clean Cooking in Kenya – Technologies, Status and Opportunities	19/11/2021	3 HRS	Week 3	4 PDU		@1500	100

67.	Mobility as a Service	26/11/2021	3 HRS	Week 3	4 PDU		@1500	100
		<b>DECEMBER</b>						
68.	International Conference "Water, Magecities and Global change"	1 <sup>st</sup> -4 <sup>th</sup> /12/2021	3HRS	Week 1	4 PDU			
69.	Oil and Gas in Kenya - Status and Opportunities	03/12/2021	3 HRS	Week 3	4 PDU		@1500	100
70.	Standard Gauge Railway	10/12/2021	<b>3 HRS</b>	<b>Week 2</b>	<b>4 PDU</b>	Engineers will be taken through SGR performance, accessibility and Economy in building designs	<b>@1500</b>	<b>100</b>

71.	Selected CSR activities for Branches	10-23/2021				<b>To sponsor all IEK branches to conduct a selected CSR to spread the Christmas Cheer</b>	250,000.00	
72.	Jamuhuri Day	12/12/2021	<b>3 HRS</b>	<b>4 PDU</b>				

Details on registration and attendance will be availed on the [IEK website](#) as the event.