

## **IQAC Report Summary**

In pursuance of its Action Plan for performance evaluation, assessment and accreditation and quality up-gradation of institutions of higher education, the National Assessment and Accreditation Council (NAAC), Bangalore proposes that every accredited institution should establish an Internal Quality Assurance Cell (IQAC) as a quality sustenance measure. Since quality enhancement is a continuous process, the IQAC will become a part of the institution's system and work towards realization of the goals of quality enhancement and sustenance. The prime task of the IQAC is to develop a system for conscious, consistent and catalytic improvement in the overall performance of institutions. For this, during the post-accreditation period, institutions need to channelize its efforts and measures towards promoting the holistic academic excellence.

The K D K College of Engineering established Internal Quality Assurance Cell (IQAC) on 9<sup>th</sup> July 2016 with a vision *“To ensure quality culture as the prime concern for the K.D.K.College of Engineering through institutionalizing and internalizing all the initiatives taken with internal and external support”*. The IQAC in the college brought positive and encouraging changes in the attitude of faculty members. Faculty research & publication, faculty interaction with outside world, involvement in the campus enriching programs, up-gradation of knowledge through various programs, etc. were enhanced.

The IQAC supported & endorsed to organize programs under its quality initiative and also encouraged faculty members to attend conferences, workshops, FDP, STTP, etc. for up-gradation of their knowledge.

The list is a testimonial to the quality initiatives by the IQAC of the college.

### **Programs Organized under IQAC**

#### **Academic Year 2020-21**

SN	Details of Quality Initiative	Duration		No. of Participants.
		From	To	
1	Two weeks Workshop on Professional Development/ Administrative Training programme	16.6.21	26.6.21	35
2	Short Term Training Program on Advances in Technology and Management for Civil Engineering - ATMCE	23/06/2020	07/03/2020	13
3	Short Term Training Program on Application of Mathematical Science	13/07/2020	18/07/2020	12

4	National Level Faculty Development Program on " NBA Accreditation Process	28/7/2020	28/7/2020	32
5	Expert e-Talk on "ABC of Construction: Artificial Intelligence and Digital Twins + BIM + Computer Vision" by Dr. Mani Mani Golparvar, USA	08/09/2020	08/09/2020	13
6	Expert e-Talk on Harness AI for Competitive Advantages by Ms Katie King, UK	13/08/2020	13/08/2020	13
7	Expert e-Talk on Giving the Gift of life-Organ Donation	15/09/2020	15/09/2020	28
8	Webinar on COVID-19 Care by Dr Pankaj Harkut	20/10/2020	20/10/2020	26
9	E-Talk on "Giving the Gift of Life - Organ Donation" By Dr. Sanjay Kolte, Professor, Department of Urology, GMC, Nagpur	28/07/2020	28/07/2020	21
10	Webinar on Multidisciplinary and Holistic Education regarding one year of Transformative Reforms under National Education Policy (NEP), 2020	08/02/2021	08/02/2021	15
11	Webinar on One year of Transformative Reforms under National Education Policy(NEP),2020	08/04/2020	08/04/2020	12
12	Webinar on "Indian Knowledge System, Languages, Arts and Culture". One year of Transformative Reforms under National Education Policy(NEP), 2020	28.5.2021	28.5.2021	17
13	Webinar on "Quality Education, Accreditation and Teacher Development" on dated regarding one year of Transformative Reforms under National Education Policy (NEP), 2020	08/06/2021	08/06/2021	38
14	Participated in Webinar "Intellectual Property Rights & Patent process"	27.5.2020	27.5.2020	23
15	Participated in Online 1-week e-FDP on "Post Pandemic Scenario Building using AI, ML and Optimization Techniques" (PPSB-AIMLOT-2020)	10.7.2020	14.7.2020	15
16	Webinar Artificial Intelligence in Engineering	6.7.2020		13
17	Attended Two weeks AICTE sponsored online Faculty Development Program(FDP) on "Introduction to Smart Grid (ITSG-2020)" PHASE-I	23.11.2020	5.12.2020	18

## Programs Attended by the faculty members under IQAC

### Academic Year 2020-21

SN	Details of Program	Duration	
		From	To
1.	Faculty Development Program on Amplifying proficiency in Advanced Civil Engineering	27/07/2020	31/07/2020
2.	Faculty Development Program on Green technology and sustainable Engineering	12/08/2020	12/12/2020
3.	Faculty Development Program on Management Practices in Civil Industrey-2020	14/12/2020	19/12/2020
4.	Online AICTE Sponsored One Week STTP under AQIS 2018-2019 on "Recent Advances in Forensic Analysis of Sub and Super Structure"	29/06/2020	04/07/2020
5.	MOOCs on 8 Weeks NPTEL Course on Fluid Mechanics	09/01/2020	13/12/2020
6.	Faculty Development Program on Recent Advances in Material Characterization Techniques	19/10/2020	23/10/2020
7.	AICTE Training And Learning (ATAL) Academy, Capacity Building"	14/12/2020	18/12/2020
8.	AICTE Training And Learning (ATAL) Academy, Green Technology & Sustainability Engineering	26/10/2020	30/10/2020
9.	AICTE Training And Learning (ATAL) Academy, Smart Cities	01/05/2021	01/09/2021
10.	One Week Workshop on "Sustainable Construction Engineering: Research and Practices"	19/10/2020	23/10/2020
11.	One Week AICTE-ISTE Refresher FDP on "Integrated Waste Management" - Program-2"	24/11/2020	30/11/2020
12.	Faculty Development Program on "Online Teaching-Learning Processes using ICT Tools for Education 4.0	07/08/2020	13/07/2020
13.	One week international level of workshop "Aspects of New Era of Transportation Engineering"	29/07/2020	07/04/2020
14.	Faculty Development Program on GIS & Remote Sensing	01/04/2021	01/08/2021
15.	Online course on "Remote Sensing & GIS Technology and Applications for University Teachers & Government Officials	13/06/2020	07/01/2020
16.	MOOCs on NPTEL Course Design of RCC Structure	09/01/2020	13/12/2020
17.	NPTEL STTP Design of RCC Structure	09/01/2020	13/12/2020
18.	Faculty Development Program on GIS & Remote Sensing NNMRS Course	13/06/2020	07/01/2020
19.	Online course on "Remote Sensing & GIS Technology and Applications for University Teachers & Government Officials NNMRS Course	13/06/2020	07/01/2020
20.	Faculty Development Program on Usage of Technology in Covid-19	28-05-2020	02-06-2020

21.	Faculty Development Program on Disruptive Technology of Industry 4.0	30-05-2020	05-06-2020
22.	Faculty Development Program on NAAC Awareness Program for Faculty	01-05-2020	05-05-2020
23.	One week Faculty development program on "Intellectual Property Rights and Research Paper Writing" .	15-06-2021	20-06-2021
24.	TWO WEEKS ONLINE FDP ON MOODLE LMS (Advanced Level) organised by ST. VINCENT PALLOTTI COLLEGE OF ENGINEERING & TECHNOLOGY, NAGPUR.	04-02021	16-01-2021
25.	Five Day Faculty Development Program on MATLAB for Engineering and Scientific Computations held from at B K Birla Institute of Engineering & Technology, Pilani.	22-02-2021	26-02-2021
26.	" Moral Ethics and Values in Education " organized by Department of Information Technology at Government Polytechnic, Nagpur, conducted between	07-09-2020	12-09-2020
27.	E-short term training program on " Formal Language and Automata Theory" organized by Department of Mathematics, SRM Institute of Science and Technology, Kattankulathur, Tamil Nadu	14-09-2020	19-09-2020
28.	Attended 6-Days workshop on "Software Training on Ruby" Organised by Department of Computer Technology, YCCE, Nagpur	6.7.2020	11.7.2020
29.	Three Days STTP on MATLAB in Mathematics , Science and Engineering at ST Vincent Pallotti Collee of Engineering Nagpur on	15-09-2020	17-09-2020
30.	Six days STTP on New Emerging trend in data analysis Organized by Dept of IT Government Polytechnic Nagpur	08-02-2021	13-02-2021
31.	Online Faculty Development Program on "Emerging Trends in Electrical Engineering (ETEE-2020), KITS Ramtek, Nagpur.	2/07/2020	4/07/2020
32.	Participated in AICTE AQIS Sponsored Short Term training Program on "Moral, Ethics and Values in Education", by Department of Information Technology at Govt. Polytechnic , Nagpur	05/10/2020	10/10/2020
33.	Participated in Online workshop on NBA Awareness by Association of the management o Un-aided engineering Colleges (Maharashtra)`	11/05/2021	14/05/2021
34.	ATAL FDP Energy Storage KPR Institute of Engg. & Technology, Coimbatore	22.2.21	26.2.21
35.	Five Days National Level Faculty Development Program and online training on eSim	29th June 2020	to 03rd July 2020.
36.	One Week Online Faculty Development Program on Advancement in Renewable Energy System for Sustainable Development,	30th June 2020	4th July 2020
37.	5 days Faculty Development Program on "Power Quality Issues and Energy Management in a Grid	24.2.2021	28/2/2021

	Integrated with renewable Sources (PQIEMGIRS-2021)"		
38.	3 Days Online STTP on " Recent Trends in Electrical Power System"	27.7.2020	29.7.2020
39.	Application of Electrotherapy in Healthcare	10.5.2021	14.5.2021
40.	Two Day workshop on "Patent Drafting / Filing Process / Outcome Based Education"	1.3.2021	2.3.2021
41.	Attended One week FDP on "Electric Vehicles" AICTE Training And Learning (ATAL) Academy	18.1.2021	22.1.2021
42.	Attended One week FDP on "Energy Engineering" AICTE Training And Learning (ATAL) Academy	4.1.2021	8.1.2021
43.	Attended One Week Online Short Term Training Program on "Recent Development of Advanced Materials and its Applications in Technology	17/06/2020	22/06/2020
44.	Participated in one day Webinar on Intellectual Property Rights. AVN Institute of Engineering & Technology	17/06/2020	22/06/2020
45.	Participated and successfully completed the One Week Online Faculty Development Program on "Grid Integration and Protection" Organized by Department of Electrical & Electronics Engineering ,Kommuri Pratap Reddy Institute of Technology Malkajgiri,Telangana from	22-06-2020	27-06-2020
46.	Participated in Online Webinar on International Faculty Development Program on "Environmental Sustainability & Green Energy" organized by Electrical Engineering Department, GWCET, Nagpur	29/06/2020	03/07/2020
47.	Successfully completed Five Days National Level Faculty Development Program and online training on eSim Jointly organized by Spoken Tutorial Project, IIT, Bombay and Department of Electrical Engineering, Bapurao Deshmukh College of Engineering, Sevagram, Wardha	29/06/2020	03/07/2020
48.	Participated during the conduct of TEQIP-III, BPUT Odisha (ATU) sponsored five days Faculty Development program on "POWER QUALITY ISSUES AND ENERGY MANAGEMENT IN A GRID INTEGRATED WITH RENEWABLE SOURCES".Organized by the department of Electrical Engineering, Einstein Academy of Technology & Management, Bhubaneswar, Odisha	24.2.2021	28.2.2021
49.	Participated in Faculty Development Program on "Writing Quality Research Paper & Publishing". Organized under the aegis of TEQIP-III, Uttarakhand Technical University, Dehradun in association with Dev Bhoomi Institute of Technology, Dehradun.	8.3.2021	13.3.2021
50.	Participated in One Week Workshop on "FPGA Controllers for Electrical Power Applications". Organized by the department of Electrical Engineering, Visvesvaraya National Institute of Technology Nagpur.	15.3.2021	19.3.2021

	Sponsored by SCLA Grant IEEE Industrial Electronics Society		
51.	Attended one week FDP on “Energy Engineering” AICTE Training And Learning (ATAL) Academy	4.1.2021	8.1.2021
52.	One week FDP on Nanomaterial’s and its Application in Mechanical Engineering	25/6/2020	1/6/2020
53.	One week FDP on nanomaterial’s and its Application in Mechanical Engineering	25/6/2020	1/6/2020
54.	STP ON Recent Development of Advanced Materials and its Applications in Technology	17.6.2020	22.6.2020
55.	FDP ON Industry 4.0	9.6.2020	11.6.2020
56.	FDP ON Industry 4.0 Industrial Internet of Thing & Manufacturing using IOT	8.7.2020	13.7.2020
57.	FDP ON Advance Research Methodology	8.6.2020	13.6.2020
58.	Online FDP on "3D Printing & Design"	15.2.2021	19.2.2021
59.	One week AICTE-AQIS sponsored STTP on Moral, Ethics and Values in Education, organized by Department of IT, Government Poly., Nagpur,23-Nov. to 28 Nov. 2020	23-11-2020	28-11-2020
60.	SWAYAM-NPTEL ONLINE Certification on Software Engineering, Course organized by IIT Kharagpur, Sept-Dec 2020 ( 12 week)	14-07-2020	04-12-2020
61.	SWAYAM-NPTEL ONLINE Certification on Database Management System, Course organized by IIT Kharagpur, Sept-Nov. 2020 ( 8 week course)	27-01-2020	20-03-2020
62.	NPTEL-AICTE Faculty Development Program on Introduction to Internet of Things, IIT-Madras and AICTE, Jan. to April 2020	27-01-2020	17-04-2020
63.	5-day online FDP Workshop on theme “Inculcating Universal Human Values in Technical Education”, organized by All India Council for Technical Education(AICTE) F.No AICTE/FDP-SI/Online Workshop/201 / 54125, 1-2-2021 to 5-2-2021	01-02-2021	05-02-2021
64.	International Conference on Research Frontiers in Sciences (ICRFS-2021), organized by the Department of Basic Sciences, G. H. Rasoni College of Engineering, Nagpur (India)	02/05/2021	02/06/2021
65.	Inculcating Universal Human values in Technical Education, AICTE, New Delhi	22/3/2021	26/3/2021
66.	FDP on ICT Tools for effective Teaching Learning organized by IQAC , Kamla Nehru Mahavidyalaya , Nagpur	06/08/2021	06/10/2021
67.	Three week Faculty Development Program organized by St. Francis De Sales College, Seminary Hills, Nagpur, Maharashtra	1.12.2020	23.12.2020
68.	Online Short Term Course on Research Methodology organized by R. L.T. College, Akola	13/7/2020	16/07/2020

69.	Online Short Term Training Program on Applications of MATLAB in Mathematics, Science and Engineering	15/9/2020	17/9/2020
70.	5-day online FDP on the theme “Inculcating Universal Human Values in Technical Education”	1.2.2021	5.2.2021
71.	FDP on Applications of Mathematics in Engineering organised by KPR Institute of Engineering and Technology , Coimbatore	20/7/2020	25/7/2020
72.	FDP on "Waste Management & its Impact on the Environment" Organized by Department of Civil Engineering& Applied Chemistry, G.H. Raison College of Engineering, Nagpur in association with IWWA, Nagpur	20/7/2020	25/7/2020
73.	FDP on Applications of Mathematics in Engineering and Sciences organized by SRI VENKATESWARA INSTITUTE OF SCIENCE AND TECHNOLOGY, KADAPA	20/8/2020	25/8/2020
74.	FDP on Research Methodology organized by Kamla Nehru College, Nagpur	26.4.21	1.5.21
75.	Online Short Term Training Program on Current and Future Trends of Advances in Material Sciences and Technology	26/10/2020	31/10/2020
76.	Faculty Development Program on on Digital Image Processing	14.09.2020	04.12.2020
77.	Faculty Development Program on Nanotechnology & its Application in Mechanical Engineering	25.06.2020	01.07.2020
78.	Faculty Development Program on Environmental Sustainability & Green Energy” organized by Department of Electrical Engineering	25.06.2020	01.07.2020
79.	Faculty Development Program on Effective Design and Delivery of Curriculum in Outcome Based Education	06.07.2020	10.07.2020
80.	Faculty Development Program on Integrated Development Program Arduino	01.06.2021	05.06.2021
81.	Faculty Development Program on Environmental Challenges : Process and Pulp Industry	23.02.2021	01.03.2021
82.	Faculty Development Program on Application of Mathematical Sciences	13.07.2020	18.07.2020
83.	Faculty Development Program on Recent Trends and Applications in Analog VLSI Design	26.10.2020	31.10.2020
84.	Faculty Development Program on Use of Modern Tools and Computing Skills for Engineers and Researchers	21.12.2020	26.12.2020
85.	Faculty Development Program on Recent Trend and Applications of Wireless Communication in VLSI Design	22.03.2021	27.03.2021
86.	Faculty Development Program on Faculty Development Program on Teaching-Learning Process using ICT Tools for Education 4.0”	08.06.2020	13.06.2020
87.	Faculty Development Program on “Geo Gebra” 5.04	01.06.2020	05.06.2020

88.	Faculty Development Program on “Research Trends in Image Processing”	15.06.2020 to	19.06.2020.
89.	Faculty Development Program on “PHP-MySQL”.	17.06.2020	22.06.2020
90.	Faculty Development Program on “Recent Trends in VLSI Design, Signal processing & Optimization based on EDA tools”.	07.12.2020	19.12.2020
91.	Faculty Development Program on “Smart Vision of IoT in 5G Era”	9-11-2020	14-11-2020.
92.	Faculty Development Program on “Machine Learning Using Python”	22.2.2021	26.2.2021
93.	Faculty Development Program on Integrated Development Program Arduino	01.06.2021	05.06.2021
94.	Faculty Development Program on "Verilog HDL for FPGA & Embedded Applications"	28/06/2021	02/07/2021.
95.	Short Term Training Program on “Academic Innovations in Industry 4.0”	19.10.2020	24.10.2020
96.	IETE Approved STTP on "Emerging Trends in Antenna Design"	21.12.2020	26.12.2020
97.	One Week STTP on “Advances in Bio-Signal & Image Processing” (online Mode) organized by Government Engineering College, Raipur (C. G.) sponsored under TEQIP-3 In association with ISTE, New Delhi	8.3.2021	12.3.2021
98.	One Week STTP on “Design & Fabrication of VLSI Circuits” (online Mode) organized by Government Engineering College, Raipur (C. G.) sponsored under TEQIP-3 In association with ISTE, New Delhi	1.3.2021	5.3.2021
99.	One Week Faculty Development Program on “Data Science” (online Mode) organized by AICTE Training and Learning (ATAL) Academy, New Delhi (Sri Sai Ram Institute of Technology)	01/02/2021	05/02/2021
100.	One Week Faculty Development Program on “Robotics” (Online Mode) organized by AICTE Training and Learning (ATAL) Academy, New Delhi (K. Ramkrishnana College of Engineering)	18/01/2021	22/01/2021
101.	AICTE Sponsored One Week Online STTP on “Recent Trends & Applications of wireless communications in VLSI Design” (online Mode)	22.3.2021	27.3.2021
102.	AICTE Sponsored Online FDP on "Sustainable Energy and Smart Grid"	18.12.2020	29.12.2020
103.	AICTE-AQIS Sponsored STTP on "Moral, Ethics and Values in Education"	07.12.2020	12.12.2020
104.	Five Days Online Faculty Development Program on "Artificial Intelligence and Machine Learning"	28.6.2021	2.7.2021
105.	Online One Week Faculty Development Program on "Smart Technology Pillars on 5G and Beyond"	27.1.2021	31.1.2021
106.	National Level FDP on “G-Suite and Allied Tools in Education, Teaching and E Content Development”	29.6.2020	4.7.2020
107.	One Week International FDP (e-FDP) on “Post Pandemic Scenario Building using AI, ML and	10.7.2020	14.7.2020



	Ramkrishnana College of Engineering)		
101.	AICTE Sponsored One Week Online STTP on "Recent Trends & Applications of wireless communications in VLSI Design" (online Mode)	22.3.2021	27.3.2021
102.	AICTE Sponsored Online FDP on "Sustainable Energy and Smart Grid"	18.12.2020	29.12.2020
103.	AICTE-AQIS Sponsored STTP on "Moral, Ethics and Values in Education"	07.12.2020	12.12.2020
104.	Five Days Online Faculty Development Program on "Artificial Intelligence and Machine Learning"	28.6.2021	2.7.2021
105.	Online One Week Faculty Development Program on "Smart Technology Pillars on 5G and Beyond"	27.1.2021	31.1.2021
106.	National Level FDP on "G-Suite and Allied Tools in Education, Teaching and E Content Development"	29.6.2020	4.7.2020
107.	One Week International FDP (e-FDP) on "Post Pandemic Scenario Building using AI, ML and Optimization Techniques" (PPSB-AIMLOT-2020)"	10.7.2020	14.7.2020
108.	Three Day STTP On "Latest Advancements In Antenna Design (LAIAD-2020)"	16.7.2020	18.7.2020
109.	One Week Training Program on "ICT Tools for Teaching Learning and Administration"	4.8.2020	10.8.2020
110.	AICTE Sponsored One Week STTP on "Recent Trends and Applications in Analog VLSI Design"	26.10.2020	31.10.2020
111.	One Week FDP on "Information Security: Issues and Challenges (ISIC-2020)"	17.11.2020	21.11.2020
112.	AICTE AQIS Sponsored STTP on "Moral, Ethics and Values in Education"	23.11.2020	28.11.2020
113.	First International Symposium On Molecular And Biological Communication (MB Com 2021)	1.2.2021	5.2.2021
114.	Certificate of participation and successful completion of the part 1 of the online FDP on "Universal Human Values refresher I"	15.2.2021	19.2.2021
115.	AICTE Sponsored Online STTP On "Internet of Things"	10.5.2021	15.5.2021
116.	Online FDP on "Research Funding, Projects and IPR Part II"	7.6.2021	9.6.2021
117.	Faculty Development Program on Effective Design and Delivery of Curriculum in Outcome Based Education	06/07/2020	10/07/2020
118.	Faculty Development Program on Business Analytics	07/09/2020	13/09/2020
119.	How to write Research paper in Scopus Journal	27/01/2021	01/02/2021
120.	Faculty Development Program on "Business Analytics	07/09/2020	13/09/2020
121.	Faculty Development Program on "Business Analytics	07/09/2020	13/09/2020
122.	International Certified Career Coach Program (FL1)	27-02-2021	28-02-2021

Signature of IQAC Coordinator/Member Secretary

Signature of Principal



Principal  
K. D. K. College of Engg.  
NAGPUR