



YEARLY STATUS REPORT - 2023-2024

Part A

Data of the Institution

1.Name of the Institution

**K. K. Wagh Institute of
Engineering Education and
Research, Nashik**

- Name of the Head of the institution **Prof. Dr. Keshav N. Nandurkar**
- Designation **Director**
- Does the institution function from its own campus? **Yes**

- Phone No. of the Principal **02532221301**
- Alternate phone No. **02532221302**
- Mobile No. (Principal) **9922325472**
- Registered e-mail ID (Principal) **kkwieer@kkwagh.edu.in**
- Address **K. K. Wagh Institute of
Engineering Education and
Research, Hirabai Haridas
Vidyanagari, Amrut Dham,
Panchavati.**
- City/Town **Nashik**
- State/UT **Maharashtra**
- Pin Code **422003**

2.Institutional status

- Autonomous Status (Provide the date of conferment of Autonomy) **07/12/2021**
- Type of Institution **Co-education**

- Location **Urban**
- Financial Status **Self-financing**
- Name of the IQAC Co-ordinator/Director **Prof. Nitin M. Shahane**
- Phone No. **02532221236**
- Mobile No: **9921236017**
- IQAC e-mail ID **iqac_engg@kkwagh.edu.in**

3.Website address (Web link of the AQAR (Previous Academic Year)

<https://www.kkwagh.edu.in/engineering/pdf/KKWIEER-AOAR-2022-23-from-portal-29-4-24-for-website.pdf>

4.Was the Academic Calendar prepared for that year?

Yes

- if yes, whether it is uploaded in the Institutional website Web link:

<https://www.kkwagh.edu.in/engineering/academic-calendar>

5.Accreditation Details

Cycle	Grade	CGPA	Year of Accreditation	Validity from	Validity to
Cycle 1	A	3.03	2018	26/09/2018	31/12/2027

6.Date of Establishment of IQAC

10/11/2016

7.Provide the list of Special Status conferred by Central and/or State Government on the Institution/Department/Faculty/School (UGC/CSIR/DST/DBT/ICMR/TEQIP/World Bank/CPE of UGC, etc.)?

Institution/ Department/Faculty/School	Scheme	Funding Agency	Year of Award with Duration	Amount
IT Engg	ISRO-SPPU Joint Research Programme	ISRO	09/12/2024	1482373

8.Provide details regarding the composition of the IQAC:

- Upload the latest notification regarding the composition of the IQAC by the HEI [View File](#)

9.No. of IQAC meetings held during the year **3**

- Were the minutes of IQAC meeting(s) and compliance to the decisions taken uploaded on the institutional website? **Yes**
- If No, please upload the minutes of the meeting(s) and Action Taken Report No File Uploaded

10.Did IQAC receive funding from any funding agency to support its activities during the year? **No**

- If yes, mention the amount

11.Significant contributions made by IQAC during the current year (maximum five bullets)

* UG Project Policy Framing, Implementation and periodic Monitoring at Institute level. * Academic and Administrative Audit * Feedback collection from all Stakeholders and Analysis and Student satisfaction survey * Welcome Drink Program and Psychometric Test for FY BTech Students * Training Programmes for Teaching faculty and Non-teaching staff. * MKCL LearnLive LMS / LearniCo Implementation and training for improvement in teaching-learning

12.Plan of action chalked out by IQAC at the beginning of the academic year towards quality enhancement and the outcome achieved by the end of the academic year:

Plan of Action	Achievements/Outcomes
<p>Quality Enhancement of teaching learning process</p>	<p>1 MKCL LearniCo Implementation for TE/ BE classes and LearnLive LMS Implementation for FY/SY BTech/ FYMCA/ FYMBA Classes 2. Induction Training for newly appointed faculty (4-5th Jan. & 24th Feb. 2024) (No. of Participants- 36) 3. Hands on demo of MKCL LearnLive (LMS) for SY BTech teachers by MKCL Team on 3rd Aug. 2023 (No. of. Participants - 64) 4. Hands on demo of MKCL LearnLive (LMS) for FY BTech teachers by MKCL Team on 6th Oct. 2023 (No. of. Participants - 58) 5. Training Session on "Smart Faculty: Effective Communication", by Dr. Rajendra Bharate, 23rd Oct. 2023, (No. of. Participants -26) 6. Expert Lecture on "Curriculum Design in view of NEP" by Dr. B.N.Chaudhari (21st Dec. 2023) (No. of. Participants -104) 7. Psychometric Test for FY BTech Students (4th to 14th Sept. 2023) (Total No. of Participants- 1008) 8.UG Project Policy Framing, Implementation and Periodic Monitoring at Institute level. 9. Final Year Project Exhibition cum Contest (4th June 2024, 30 project teams)</p>
<p>Feedback Collection and Analysis</p>	<p>1. EndSem Teacher Feedback and Analysis for all Courses 2. Student Satisfaction Survey and Analysis 3. Stakeholder Feedback and Analysis</p>
<p>Application for NBA</p>	<p>1.Mechanical Department has been accredited from 2024-25 to 2026-27 (upto 30/6/2027) 2. Five departments - Chemical Engg.,</p>

	Civil Engg., Computer Engg., Electrical Engg. and E&TC Engg. were reaccredited from 2022-23 to 2024-25 (upto 30/6/2025) 3. MCA accredited for 2024-25 (upto 30/6/2025) UGC has granted Autonomous status from 2022-2023 to 2031-2032.
Academic Administrative Audit (AAA)	Academic Administrative Audit Academic Administrative Audit (AAA) for two semesters for all Engineering departments and support sections.
Participation in Nationwide Ranking Survey	1. Participation in NIRF (Innovation Category) in 2024 2. Participation in India Today MDRA Best Colleges Ranking 2024
Planning and Conduction of Certificate / Add-on Programs at Department level	3218 students certified in 24 courses

13. Was the AQAR placed before the statutory body? **Yes**

- Name of the statutory body

Name of the statutory body	Date of meeting(s)
Governing Body Meeting	07/12/2024

14. Was the institutional data submitted to AISHE ? **Yes**

- Year

Part A

Data of the Institution

1.Name of the Institution	K. K. Wagh Institute of Engineering Education and Research, Nashik
• Name of the Head of the institution	Prof. Dr. Keshav N. Nandurkar
• Designation	Director
• Does the institution function from its own campus?	Yes
• Phone No. of the Principal	02532221301
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• Mobile No. (Principal)	9922325472
• Registered e-mail ID (Principal)	kkwieer@kkwagh.edu.in
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• State/UT	Maharashtra
• Pin Code	422003
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• Autonomous Status (Provide the date of conferment of Autonomy)	07/12/2021
• Type of Institution	Co-education
• Location	Urban
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• Name of the IQAC Co-ordinator/Director	Prof. Nitin M. Shahane				
• Phone No.	02532221236				
• Mobile No:	9921236017				
• IQAC e-mail ID	iqac_engg@kkwagh.edu.in				
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• if yes, whether it is uploaded in the Institutional website Web link:	https://www.kkwagh.edu.in/engineering/academic-calendar				
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Cycle	Grade	CGPA	Year of Accreditation	Validity from	Validity to
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<ul style="list-style-type: none"> Name of the statutory body 	
Name of the statutory body	Date of meeting(s)
Governing Body Meeting	07/12/2024
14. Was the institutional data submitted to AISHE ?	Yes
<ul style="list-style-type: none"> Year 	
Year	Date of Submission
2022-23	15/02/2024

15. Multidisciplinary / interdisciplinary

In view of Autonomy and NEP 2020 implementation, the Vision and Mission were reformulated by the Institute. The draft of Vision and Mission statements were prepared in consultation with experts and shared with various stakeholders. Suggestions and feedback given by stakeholders were incorporated in the statements and approved in Governing Body meeting. The Institute has introduced courses in Humanities and Science in different semesters of the 4 year BTech program under Autonomy from 2023-24. Following are the groups of these courses - 1) Ability Enhancement Courses (AEC) - 4 credits, Sem I and Sem IV. 2) Indian Knowledge System (IKS) - 2 credits, Sem II 3) Value Education Courses (VEC) - 4 credits, Sem III and IV 4) Entrepreneurship/Economics/ Management Courses - 4 credits. Sem VII and VIII Community Engagement Project is proposed in the Sem V of BTech Program. Courses on Democracy, Election & Governance and Environmental Studies are proposed in the Sem III and IV of BTech Program. Indian Constitution is introduced in the PG Programs. The Four-year Bachelor's Multidisciplinary Engineering Degree Programme allows the students to experience the full range of holistic and multidisciplinary education in addition to a focus on the chosen major and minors as per their choices and the feasibility of exploring learning in different institutions. Compulsory Multidisciplinary Minor Subjects from the different disciplines of the Engineering with 14 Credits are proposed from the second year to the final year of UG Programme. Generic/ Open Elective Courses (OE) chosen compulsorily from faculty other than that of the Major Discipline with 08 credits are proposed in Second and/or Third year. Vocational and Skill Enhancement Courses (VSEC) to include Hands on Training corresponding to the Major and/or Minor Subject with 08 credits, are proposed in the first three years. Students will have the flexibility to enter a programme in odd semesters and exit a programme after the successful completion of even semesters as per their future career needs. Students exiting the First Year of UG programme after securing minimum 40 credits will be awarded UG Certificate, Students exiting the Second Year of UG Programme after securing minimum 80 credits will be awarded UG Diploma and Students exiting the Third Year of UG programme will be awarded B.Voc. upon securing minimum 120 credits in the relevant Discipline /Subject, provided they secure 8 credits in work-based vocational courses or internship in that year respectively. Faculty members from various departments try to find the possibility to carry out interdisciplinary projects by discussing the issues with faculty from other department and other institutes. A project of

Germanium Plantation & Extraction of oil was carried out by faculty from Agriculture College along with faculty from Chemical & Mechanical Department of Engineering College and the marketing study was done by MBA Department. The Institute plans to engage in the following projects related to societal issue which will be Environment friendly & aligned with Sustainable Development Goals. i) Cleaning of river & minimizing pollution ii) Harnessing Solar Energy for drying of crops. iii) Prototype Development of Project entitled 'Jalmitra' Exposure to various instruments and facilities in the AICTE IDEA Lab is provided through a regular 2 hour weekly session to all the first year Engineering students. Field Projects on Design and Manufacturing of Quad Vehicle, All Terrain Vehicle and E-Gokart were carried out by interdisciplinary teams. These teams participated in various national level competitions like SAE BAJA and have won awards consistently for last five years. Multidisciplinary teams are participating in various national level events like Smart India Hackathon, TIAA Hackathon, KAVACH 2023 etc and have won various cash prizes.

16.Academic bank of credits (ABC):

The institute has received the instructions regarding implementation of Academic Bank of Credits (ABC). Head of departments informed the students about the Academic Bank of Credits (ABC) facility and have instructed them to create the Academic Bank Account on Academic Bank of Credits (ABC) portal (www.abc.gov.in). As per the Savitribai Phule Pune University (SPPU) Circular - Exam/2022/205 Dt. 15/10/2022, it is mandatory to all students to create Academic Bank of Credit id (ABC id) account before filling Exam Form Applications. Accordingly all SE/TE/BE students have registered on the portal. New login has been created for the first year students under Autonomous pattern. So far 3403 students of our institute have registered on ABC portal. The process of credit mapping & uploading the mark sheet is under process. Since Institute has obtained Autonomy from AY 2022-23. The provision for the Multiple Entry & Multiple Exit is to be provided from AY 2023-24. Students will be allowed to exit the course after first year after completing the necessary credits which will be uploaded on ABC portal. Institution is in contact with its Alumni members receding abroad. So far Alumni meetings were conducted in USA, Australia, Japan, Dubai, Finland, Germany & South Korea. Institute is trying to reach out to different universities in these countries for collaboration & staff/ student exchange. Three online meetings were conducted with representatives of Universities in UK.

Institute is member of Indo-Universal Collaboration for Engineering Education (IUCEE). Joint programs are organized in collaboration with US Professor in online mode for the benefit of faculty members. Institute has signed MOU with University of Zielona Gora, Poland for collaboration & student exchange. A team comprising of Principal, Director-Public Relation, TPO and HoD-Mechanical, visited University of Zielona Gora. University of Zielona Gora has offered one Post-doctoral Fellowship for faculty of the Institute. Faculty members are involved in developing the curriculum under Autonomy. They are encouraged to suggest the subjects & contents as per the requirement of the Industry & Technological Developments in various fields. As the curriculum is jointly designed by the faculty members they decide the pedagogical approaches (including Flipped Classroom) within the framework. They also decide the mode of Assessment and Assignments keeping in view the Attainment of COs & recommend the reading material to the students. Faculty members also use LMS for formative Assessment in various classes. The Institute has made arrangements in Computer Centers for student to utilize the facilities for registering on the ABC portal. Institute has formed the committee to verify the marks before uploading the credits on ABC portal.

17.Skill development:

During the academic year 2023-24, personality development program was conducted by RPG foundation for students. Around 1000+ students attended CV writing workshop and MOCK interviews, organized by T&P Cell. In the Autonomy Curriculum introduced from the academic year 2022-23, Course on Democracy, Election & Governance, Communication skills, Engineering Explorations, Engineering Drawing and Workshop practices were conducted for all 16 first year BTech Classes for 2 credits. In view of NEP 2020 implementation, the Institute has introduced courses in Humanities and Science in different semesters of the 4 year BTech program under Autonomy from 2023-24. Following are the groups of these courses - 1) Ability Enhancement Courses (AEC) - 4 credits, Sem I and Sem IV. 2) Indian Knowledge System (IKS) - 2 credits, Sem II 3) Value Education Courses (VEC) - 4 credits, Sem III and IV 4) Courses on Democracy, Election & Governance and Environmental Studies are proposed in the Sem III and IV of BTech Program. Indian Constitution is introduced in the PG Programs. 5) Vocational and Skill Enhancement Courses (VSEC) to include Hands on Training corresponding to the Major and/or Minor Subject with 08 credits, are proposed in the first three years. 6) Exposure to various instruments and facilities in the AICTE IDEA

Lab is provided through a regular 2 hour weekly session to all the first year Engineering students. 7) 14 Skill development programmes are conducted through AICTE IDEA Lab in the academic year 2023-24. Some of the programmes conducted were -Progressive Manufacturing Workshop from 9th to 14th Aug. 2023 for 25 participants and Training on Drone Technology on 24th to 29th Aug, 2023 for 35 participants. 8) During the academic year 2023-24, 24 Certificate/Add-on courses were conducted for 3281 students in different departments.

18.Appropriate integration of Indian Knowledge system (teaching in Indian Language, culture, using online course)

In view of NEP 2020 implementation, the Institute has introduced courses related to IKS in first two semesters of the 4 year BTech program under Autonomy from 2023-24. Following are the groups of these courses- 1) Cocurricular Courses (CC - Sports, Yoga and Arts) - 2 credits, Sem I. 2) Indian Knowledge System (IKS) - 2 credits, Sem II The Central Library of the Institute incorporates books related to Indian Culture and Heritage based on music, yoga, Vedic Mathematics, history, Indian Constitution, drama, poetry, performing arts, architecture, Kautiliya Arthashastra and Philosophy. The library organises book exhibitions to create awareness among students and faculty. Musical concerts are also organised in association with SPIC MACAY. India has long tradition of Sangeet and Natya Shastra. Our K. K. Wagh Education Society runs a Performing Arts College in order to promote Music and Dance tradition among the students. Faculty members attended courses and workshops on IKS in online/offline mode. Visits are arranged to places of cultural heritage building & temples in and around Nashik city. Lectures by Eminent Scholars in various fields of traditional knowledge system such as Vedic Mathematics, Yoga and Architecture are arranged. Some faculty are involved in translating the Engineering textbooks in vernacular languages. Library has procured set of engineering books in Marathi & made available to faculty. New staff members are introduced to Bilingual training during the Induction training year, every year. Some faculty members are using bilingual mode for classrooms delivery. Institution has been promoting Indian culture & tradition by celebration of various festivals throughout the year. Recently Institute has installed idol of goddess Saraswati in the main building in order to preserve the tradition of worshipping the knowledge creation. Every year the Marathi Bhasha Din & National Language Day is celebrated to create awareness about the rich heritage of Indian Regional languages. Workshops are conducted for students about traditional

Indian Art like Warli Painting to preserve the traditional art. Students are also encouraged to attend the demonstration of renowned artists organized by K K Wagh Fine Arts College, Nashik. Institute has identified the topics such as Architecture, Metallurgy, Mathematics, and Chemistry which has rich contribution in Traditional Indian Knowledge system. Faculty members have attended courses related to these topics and also participating in the workshops & Conferences related to IKS in view of NEP 2020.

19.Focus on Outcome based education (OBE):Focus on Outcome based education (OBE):

The institute follows the guidelines provided by AICTE, New Delhi for affiliated Autonomous institutes. It has well defined Vision and Mission statements which are disseminated to all stakeholders. As per these guidelines, each department follows the twelve Programme Outcomes (POs). In addition to POs, Programme Specific Outcomes (PSOs) are defined as per the need of the programme. Each department defines its own Programme Educational Objectives (PEOs) and Course Outcomes (COs). COs are defined as per university syllabus using Blooms Taxonomy and mapped with POs and PSOs according to correlation level. Course Outcomes are defined by Course coordinator/teacher and finalized by module coordinator, program coordinator, and head of department. The course coordinator/teacher discusses the course outcomes in the classroom as well as in the laboratory at the beginning of the course. POs and COs are displayed on notice boards in every laboratory and also printed in continuous assessment record for laboratory assignments, project work and printed journals. POs are also available on Institute website. POs are attained through the attainment of COs. CO attainment is calculated at the end of each course using direct method. The results of University examination contribute to direct method of attainment. PO and PSO attainment is calculated at the end of programme as per the CO-PO mapping and correlation level. Programme exit survey contributes to indirect attainment of PO and PSO. PEOs are attained through the attainment of POs and PSOs. The Summary of attainment of COs for each course along with its mapping with POs, is recorded in a document named Course Information Sheet (CIS). Institute is in the process of implementing OBE through ERP system for Autonomous course. The OBE module involves calculation of attainment of COs & POs based on the mapping with the questions in each course examination. It will be helpful while planning for improvement in curriculum delivery. To ensure attainment of graduate attributes, each department monitors and reviews teaching learning process

periodically. Effective mechanisms are employed for curriculum implementation using modern tools and technology along with traditional classroom teaching. Teachers' feedback is collected for each course from the students and analyzed for further corrective measures, if any. To enhance the employability, various training and placement activities are carried out on regular basis. Each department of the Institute conducts programs for continuous improvement. Sensitization Session by Shri Amrut Abhay Bang, Steering Committee Member, NEP Implementation, GoM was conducted for students on 12th July 2023. Guidance Sessions and Meeting on NEP 2020 implementation by Shri Vivek Sawant, Mentor, MKCL and Steering Committee Member, NEP Implementation, GoM was conducted on 15th July 2023 for all faculty members. Lecture on NEP Implementation was delivered by Prof. Dr.S.S.Sane on 28th July 2023 for students of all departments. A debate on "Pros and Cons of NEP" was organized for interested staff and students on 1st August 2023. Lecture on "Curriculum Design in view of NEP-2020" by Prof.Dr.B.N.Chaudhari, Principal, Sardar Patel Institute of Technology, Mumbai was organized for all teaching staff members on 21st December 2023. Dr. V.G.Gaikar, Ex-VC, BATU and Professor, Chemical Engg., ICT interacted with teachers on 26th August 2023, on various issues related to implementation of NEP. Expert session of Dr. P.J.Kulkarni, (Ex-Dy. Director, Walchand COE, Sangli was arranged for teachers of Computer, AI&DS, CSD, IT and MCA department on 22nd August 2023. Guidance session by Dr. Anilkumar Gupta on the topic Establishment of Private University in view of NEP was arranged on 24th February 2024. Interaction session with Shri Jayant Sathe, Board member, IUCEE was organized on 27th March 2024. For discussion on Best practices used by US Universities.

20.Distance education/online education:

The institute is mainly training the Engineers and Managers for their professional career. In order to be successful in the career, they need the courses such as Communication skills & effective use of software like Excel. Hence, it is possible to impart such skills through ODL mode. Institute is already using such programs and more will be offered in future. To facilitate online education, faculty members prepared 192 UdeMy courses, out of which 63 had a rating of more than 4.5 in 2021-22. Total 24 were paid courses and taken up by students from all over the world. Titles of some of the courses with rating more than 4.5 are Fundamentals of Data Structures, Fiber Optics Network Design and Maintenance, Scheduling Techniques for Construction Project, Engineering Mechanics, Engineering Drawing / Graphics: Hands-on

training, Learning to Write Scientific Research Paper, Process and Mechanical Design of Process Equipment, Parsing in Natural Language Processing, Engineering Materials, Essentials of Marketing the Services, Learning MongoDB- NoSQL database. Faculty members have also started their own Youtube channels which are receiving good response from the students. Course content / study material is shared on WhatsApp groups for the benefit of students. Staff and students have completed online courses through SWAYAM and NPTEL. In an attempt to enable students to understand concepts thoroughly, the classroom environment is made conducive for mutual interactions between students and teachers. Learning in classrooms improves significantly if there are meaningful interactions between inquisitive learners and experienced teachers. Such meaningful interactions are systematically introduced during teaching with the help of ICT tools and innovative teaching methodologies. To allow students to participate during lectures, Audience Response System, MKCL LearnCo/LearnLive is adopted in all classes as a part of Blended Learning. No. of Youtube Video Links shared - FY BTech - 2534, SY BTech - 1741 Use of LMS Quiz/Test - FY BTech - 2166, SY BTech - 1782 Use of ICT tools like LearnCo in teaching-learning - No. of LearnCo sessions conducted - (TE & BE Classes)- 1431 MKCL iLike Course on Web-Designing using PHP and CSS, was introduced for the FY BTech IT students in online mode in Sem-II of 2023-24.

Extended Profile

1.Programme

1.1 15

Number of programmes offered during the year:

File Description	Documents
Institutional Data in Prescribed Format	View File

2.Student

2.1 4873

Total number of students during the year:

File Description	Documents
Institutional data in Prescribed format	View File

2.2 1259

Number of outgoing / final year students during the year:

File Description	Documents
Institutional Data in Prescribed Format	View File

2.3 4873

Number of students who appeared for the examinations
conducted by the institution during the year:

File Description	Documents
Institutional Data in Prescribed Format	View File

3.Academic

3.1 685

Number of courses in all programmes during the year:

File Description	Documents
Institutional Data in Prescribed Format	View File

3.2 227

Number of full-time teachers during the year:

Extended Profile

1.Programme

1.1 15

Number of programmes offered during the year:

File Description	Documents
Institutional Data in Prescribed Format	View File

2.Student

2.1 4873

Total number of students during the year:

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Number of outgoing / final year students during the year:

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2.3 4873

Number of students who appeared for the examinations conducted by the institution during the year:

File Description	Documents
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3.Academic

3.1 685

Number of courses in all programmes during the year:

File Description	Documents
Institutional Data in Prescribed Format	View File

3.2	227
Number of full-time teachers during the year:	

File Description	Documents
Institutional Data in Prescribed Format	View File

3.3	247
Number of sanctioned posts for the year:	

4. Institution

4.1	790
Number of seats earmarked for reserved categories as per GOI/State Government during the year:	

4.2	65
Total number of Classrooms and Seminar halls	

4.3	1767
Total number of computers on campus for academic purposes	

4.4	2823.4448
Total expenditure, excluding salary, during the year (INR in Lakhs):	

Part B

CURRICULAR ASPECTS

1.1 - Curriculum Design and Development

1.1.1 - Curricula developed and implemented have relevance to the local, national, regional and global developmental needs which are reflected in Programme Outcomes (POs), Programme Specific Outcomes (PSOs) and Course Outcomes (COs) of the various Programmes offered by the Institution.

The institute follows the guidelines provided by AICTE, New Delhi for institutes affiliated to university. As per these guidelines, each department follows the twelve Programme Outcomes (POs).

In addition to POs, Programme Specific Outcomes (PSOs) are defined as per the need of the programme. Each department

defines its own Programme Educational Objectives (PEOs) and Course Outcomes (COs). COs are defined as per syllabus using Blooms Taxonomy and mapped with POs and PSOs according to correlation level.

POs are attained through the attainment of COs. CO attainment is calculated at the end of each course using direct method. The results of University examination contribute to direct method of attainment.

PO and PSO attainment is calculated at the end of programme as per the CO-PO mapping and correlation level. Programme exit survey contributes to indirect attainment of PO and PSO. PEOs are attained through the attainment of POs and PSOs.

While framing the Autonomy Curriculum, Industry and Academia members on Board of Studies, Academic Council and Governing Body deliberate and suggest key elements for inclusion of local, national, regional and global developmental needs within the framework of NEP 2020.

File Description	Documents
Upload additional information, if any	No File Uploaded
Link for additional information	Nil

1.1.2 - Number of Programmes where syllabus revision was carried out during the year

15

File Description	Documents
Minutes of relevant Academic Council/BOS meeting	View File
Details of syllabus revision during the year	View File
Any additional information	No File Uploaded

1.1.3 - Number of courses focusing on employability/entrepreneurship/ skill development offered by the Institution during the year

42

File Description	Documents
Curriculum / Syllabus of such courses	View File
Minutes of the Boards of Studies/ Academic Council meetings with approval for these courses	No File Uploaded
MoUs with relevant organizations for these courses, if any	No File Uploaded
Any additional information	No File Uploaded

1.2 - Academic Flexibility

1.2.1 - Number of new courses introduced across all programmes offered during the year

380

File Description	Documents
Minutes of relevant Academic Council/BoS meetings	No File Uploaded
Any additional information	No File Uploaded
Institutional data in prescribed format (Data Template)	View File

1.2.2 - Number of Programmes offered through Choice Based Credit System (CBCS)/Elective Course System

15

File Description	Documents
Minutes of relevant Academic Council/BoS meetings	No File Uploaded
Any additional information	No File Uploaded
List of Add on /Certificate programs (Data Template)	View File

1.3 - Curriculum Enrichment

1.3.1 - Institution integrates cross-cutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability, and Human Values into the curriculum

Democracy, Election & Governance is incorporated in curriculum

of first year engineering course (FY BTech 2022 Syllabus, SY BTech 2023 Syllabus) and Introduction to Constitution at PG level to understand and practice key principles, protection of fundamental rights, approaches to Governance and challenges to Democracy.

Courses like Environmental Engineering, Air Pollution and Control and Green Structures and Smart, Energy Audit & Management, Environment Studies have been offered to create awareness of environmental ethics and protocol to be followed for industrial practices to protect environment and promote sustainable development.

Courses like Engineering Ethics, Universal Human Values, Industrial Psychology & Organizational Behavior and Human Rights enable students to explore aspects of human society and to develop characteristics that encourage personal fulfillment, meaningful professional life and responsible citizenship.

Audit course on Smart Cities explores dynamic behavior of the urban system by going beyond the physical appearance and by focusing on representations, properties and impact factors. Audit courses like Code of Conduct & Moral Values, Human Values & Professional Ethics recognize and evaluate ethical challenges that students may face in their professional careers and build their decision making skills in such challenging scenarios.

MBA Courses like Business Ethos & Corporate Governance and Corporate Social Responsibility & Sustainability provide the insights to the students about CSR, business ethics & sustainability development.

File Description	Documents
Upload the list and description of the courses which address issues related to Gender, Environment and Sustainability, Human Values and Professional Ethics in the curriculum	View File
Any additional information	No File Uploaded

1.3.2 - Number of value-added courses for imparting transferable and life skills offered during the year

24

File Description	Documents
List of value-added courses	View File
Brochure or any other document relating to value-added courses	View File
Any additional information	No File Uploaded

1.3.3 - Number of students enrolled in the courses under 1.3.2 above

3281

File Description	Documents
List of students enrolled	View File
Any additional information	No File Uploaded

1.3.4 - Number of students undertaking field work/projects/ internships / student projects

4780

File Description	Documents
List of programmes and number of students undertaking field projects / internships / student projects	View File
Any additional information	No File Uploaded

1.4 - Feedback System

1.4.1 - Structured feedback and review of the syllabus (semester-wise / year-wise) is obtained from 1) Students 2) Teachers 3) Employers and 4) Alumni

A. All 4 of the above

File Description	Documents
Provide the URL for stakeholders' feedback report	https://www.kkwagh.edu.in/engineering/college-development-committee/igac
Upload the Action Taken Report of the feedback as recorded by the Governing Council / Syndicate / Board of Management	No File Uploaded
Any additional information	No File Uploaded

1.4.2 - The feedback system of the Institution comprises the following

A. Feedback collected, analysed and action taken made available on the website

File Description	Documents
Provide URL for stakeholders' feedback report	https://www.kkwagh.edu.in/engineering/college-development-committee/igac
Any additional information	No File Uploaded

TEACHING-LEARNING AND EVALUATION

2.1 - Student Enrollment and Profile

2.1.1 - Enrolment of Students

2.1.1.1 - Number of students admitted (year-wise) during the year

1422

File Description	Documents
Any additional information	No File Uploaded
Institutional data in prescribed format	View File

2.1.2 - Number of seats filled against reserved categories (SC, ST, OBC, Divyangjan, etc.) as per the reservation policy during the year (exclusive of supernumerary seats)

1091

File Description	Documents
Any additional information	No File Uploaded
Number of seats filled against seats reserved (Data Template)	View File

2.2 - Catering to Student Diversity

2.2.1 - The institution assesses students' learning levels and organises special programmes for both slow and advanced learners.

In order to understand special learning needs of the students, an initial assessment of their learning levels is being carried out with the help of a Profiling (Psychometric) Test for the first year students from academic year 2021-22. The scores of students in different categories of the test like Logical Reasoning, Numerical ability, Linguistic ability helped to identify advanced and slow learners in general. Based on the scores obtained in the profiling test, appropriate thresholds were decided to identify the advanced and slow learners.

Special programs were designed and implemented at department level. Mechanism is established to track the performance of advanced and slow learners by respective departments.

Additionally, advanced and slow learners in individual subjects are identified by subject teachers with the help of LearnCo/LMS Quiz scores and necessary corrective measures are taken.

Remedial lectures are conducted for first year and second year classes. Expert Lectures on Importance and Applications of Mathematics in Engineering were conducted on first year classes.

Challenging Assignments/Gate Questions are shared with advanced learners.

Scholarships are awarded to top three meritorious students from each class. Apart from regular library facility, additional two books are provided to meritorious students.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	Nil

2.2.2 - Student – Teacher (full-time) ratio

Year	Number of Students	Number of Teachers
30/09/2023	4873	227

File Description	Documents
Upload any additional information	No File Uploaded

2.3 - Teaching- Learning Process

2.3.1 - Student-centric methods such as experiential learning, participative learning and problem-solving methodologies are used for enhancing learning experiences:

Participative Learning - In an attempt to enable students to understand concepts thoroughly, the classroom environment is made conducive for mutual interactions between students and teachers. Learning in classrooms improves significantly if there are meaningful interactions between inquisitive learners and experienced teachers. Such meaningful interactions are systematically introduced during teaching with the help of ICT tools and innovative teaching methodologies. To allow students to participate during lectures, Audience Response System, MKCL LarniCo/LearnLive is adopted in all classes.

Experiential Learning - Opportunities are provided through the use of Simulation Tools and Internships. Modeling and simulation tools such as Ansys & Creo, Aspen Plus, Bison, CIM Design, Cisco packet tracer, D3.js, ETAP, Excel, Flexsim, Geogebra, Hysis V 8.8, Keil micro vision, MATLAB, Minitab, MyCompiler Assembler, PHA ISOGRAPH Software, PLC virtual lab, Proteus, Pythontutor, R online simulator, Scikit learn, Star UML, Testing tool Selenium, JUnit, Tinker Cad, ThingSpeak IoT Cloud, UniSim Design, AutoCAD, DWSIM are used.

Problem Solving Methodologies - Opportunities for Problem solving are provided in Tutorial classes of different courses, Project Based Learning in FY, SE and TE classes, Final Year Projects and Additional Challenging Problems/Assignments.

Welcome Drink Program was organized at Institute level for all students of FY BTech. The aim of this program was to refresh and reinforce fundamental knowledge demanded by Engineering Programs.

File Description	Documents
Upload any additional information	No File Uploaded
Link for additional Information	Nil

2.3.2 - Teachers use ICT-enabled tools including online resources for effective teaching and learning

Teachers have used various ICT enabled tools for effective teaching-learning process such as -

- Use of ICT tools for Formative and Summative Assessment
- To allow students to participate during lectures, Audience Response System, MKCL LearnCo/LearnLive is adopted in all classes as a part of Blended Learning.
- No. of Youtube Video Links shared - FY BTech - 2534, SY BTech - 1741
- Use of LMS Quiz/Test - FY BTech - 2166, SY BTech - 1782
- Use of ICT tools like LearnCo in teaching-learning - No. of LearnCo sessions conducted - (TE & BE Classes)- 1431
- MKCL iLike Course on Web-Designing using PHP and CSS, was introduced for the FY BTech IT students in online mode in Sem-II of 2023-24.
- Use of Simulation tools - Modeling and simulation tools such as Ansys & Creo, Aspen Plus, Bison, CIM Design, Cisco packet tracer, D3.js, ETAP, Excel, Flexsim, Geogebra, Hysis V 8.8, Keil micro vision, MATLAB, Minitab, MyCompiler Assembler, PHA ISOGRAPH Software, PLC virtual lab, Proteus, Pythontutor, R online simulator, Scikit learn, Star UML, Testing tool Selenium, JUnit, Tinker Cad, Thingspeak IoT Cloud, UniSim Design, AutoCAD, DWSIM are used.

File Description	Documents
Provide link for webpage describing ICT enabled tools including online resources for effective teaching and learning process	https://smartcollege.mkcl.org/#/engg.kkwa gh/home
Upload any additional information	View File

2.3.3 - Ratio of students to mentor for academic and other related issues

2.3.3.1 - Number of mentors

227

File Description	Documents
Upload year-wise number of students enrolled and full-time teachers on roll	No File Uploaded
Circulars with regard to assigning mentors to mentees	View File

2.3.4 - Preparation and adherence to Academic Calendar and Teaching Plans by the institution

- The institute follows the curriculum and academic calendar prescribed by the university for second, third and final year of Engineering.
- Curriculum Design and Academic Calendar for FY/SY BTech, FY/SY MCA/MBA/MTech courses under Autonomy, were finalized and implemented after seeking approval from Board of Studies of respective department, Academic Council and Governing Body of the Institute.
- The course structure and contents of all the programmes are available on the University / Institute website.
- Before the commencement of the semester, courses are allocated to respective teachers based on their specialization, experiences and choice.
- Department wise academic calendar, activity calendar, class time table and laboratory time table is prepared.
- Faculty develops teaching, laboratory and tutorial plans as per guidelines. including high quality videos to be shared with students, MCQs to be asked through LearniCo / LearnLive, Assignments, use of simulation / modeling tools, ideas for mini projects is followed by all teachers and rubrics for continuous assessment.
- The course files are prepared / updated by respective faculty.
- Laboratory manuals / journals are prepared.
- The planning for final year project as per the Institute Policy is done at the beginning of the academic year by IQAC.

File Description	Documents
Upload the Academic Calendar and Teaching Plans during the year	View File

2.4 - Teacher Profile and Quality

2.4.1 - Number of full-time teachers against sanctioned posts during the year

227

File Description	Documents
Year-wise full-time teachers and sanctioned posts for the year	View File
List of the faculty members authenticated by the Head of HEI	No File Uploaded
Any additional information	No File Uploaded

2.4.2 - Number of full-time teachers with PhD/ D.M. / M.Ch. / D.N.B Super-Specialty / DSc / DLitt during the year

63

File Description	Documents
List of number of full-time teachers with PhD./ D.M. / M.Ch. / D.N.B Super-Specialty / D.Sc. / D.Litt. and number of full-time teachers for 5 years	View File
Any additional information	No File Uploaded

2.4.3 - Total teaching experience of full-time teachers in the same institution: (Full-time teachers' total teaching experience in the current institution)

2669

File Description	Documents
List of teachers including their PAN, designation, Department and details of their experience	View File
Any additional information	No File Uploaded

2.5 - Evaluation Process and Reforms

2.5.1 - Number of days from the date of last semester-end/ year- end examination till the declaration of results during the year

30days

File Description	Documents
List of Programmes and the date of last semester-end / year-end examinations and the date of declaration of result	View File
Any additional information	No File Uploaded

2.5.2 - Number of students' complaints/grievances against evaluation against the total number who appeared in the examinations during the year

470

File Description	Documents
Upload the number of complaints and total number of students who appeared for exams during the year	View File
Upload any additional information	No File Uploaded

2.5.3 - IT integration and reforms in the examination procedures and processes including Continuous Internal Assessment (CIA) have brought in considerable improvement in the Examination Management System (EMS) of the Institution

Examination Management System has IT infrastructure that includes high resolution answer book scanning, high-end printing and reprographic facilities, high-end standalone and intranet enabled computing systems, etc. for ease of operations.

LearnLive LMS, ERP and Google Forms are used for conducting Continuous Comprehensive Evaluation (CCE). Examination related processes like the conduct of the BoE and examination related committee meetings, online paper submission, digital evaluation, moderation, re-evaluation, paper printing work, examination conduction, and result compilation are executed through IT integration with quality checks and balances. Barcoded answer books with additional system-generated barcodes are made available.

The confidentiality in the examination and evaluation processes is well ensured through checks and balances at various levels by providing level wise rights and privileges to various authorities and involved human resources.

The counter-checks on likely unethical practices, such as locking of marks after entry, enabling the locked parameters through proper hierarchical approvals, and the IT-enabled grievance handling mechanism with single-handed apex authority (CoE) as the approving authority with proper separate login credentials, ensure the fidelity of the examination processes through IT integration.

Extensive use of IT in examinations includes online exam form filling, hall ticket generation, seat number generation, photocopy, individual results at student login, intimation to appointed examiners, calculation of attainment levels of learning outcomes against set targets and provides various types of reports required for analysis.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional Information	Nil

2.6 - Student Performance and Learning Outcomes

2.6.1 - Programme Outcomes and Course Outcomes for all Programmes offered by the institution are stated and displayed on the website and communicated to teachers and students

The institute follows the guidelines provided by AICTE, New Delhi for institutes affiliated to university. As per these guidelines, each department follows the twelve Programme Outcomes (POs).

In addition to POs, Programme Specific Outcomes (PSOs) are defined as per the need of the programme. Each department defines its own Programme Educational Objectives (PEOs) and Course Outcomes (COs). COs are defined as per syllabus using Blooms Taxonomy and mapped with POs and PSOs according to correlation level.

Course Outcomes are defined by Course coordinator/teacher and finalized by module coordinator, program coordinator, and head of department. The course coordinator/teacher discusses the

course outcomes in the classroom as well as in the laboratory at the beginning of the course. POs and COs are displayed on notice boards in every laboratory and also printed in continuous assessment record for laboratory assignments, project work and printed journals. POs/PSOs and COs are also available on Institute website.

File Description	Documents
Upload COs for all courses (exemplars from the Glossary)	No File Uploaded
Upload any additional information	No File Uploaded
Link for additional Information	https://www.kkwagh.edu.in/engineering/college-development-committee/igac

2.6.2 - Attainment of Programme Outcomes and Course Outcomes as evaluated by the institution

POs are attained through the attainment of COs. CO attainment is calculated at the end of each course using direct method. The results of University examination contribute to direct method of attainment.

PO and PSO attainment is calculated at the end of programme as per the CO-PO mapping and correlation level. Programme exit survey contributes to indirect attainment of PO and PSO. PEOs are attained through the attainment of POs and PSOs.

The Summary of attainment of COs for each course along with its mapping with POs, is recorded in a document named Course Information Sheet (CIS).

To ensure attainment of graduate attributes, each department monitors and reviews teaching learning process periodically. Effective mechanisms are employed for curriculum implementation using modern tools and technology along with traditional classroom teaching. Teachers' feedback is collected for each course from the students and analyzed for further corrective measures, if any.

To bridge the curriculum gaps, topics beyond syllabus are included in teaching plan, expert talks are arranged, various seminars, workshops, symposiums, conferences and industrial visits are organized. To enhance the employability, various

training and placement activities are carried out on regular basis.

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	Nil

2.6.3 - Pass Percentage of students

2.6.3.1 - Total number of final year students who passed in the examinations conducted by Institution

1163

File Description	Documents
Upload list of Programmes and number of students appear for and passed in the final year examinations	View File
Upload any additional information	No File Uploaded
Paste link for the annual report	Nil

2.7 - Student Satisfaction Survey

2.7.1 - Student Satisfaction Survey (SSS) on overall institutional performance (Institution may design its own questionnaire). Results and details need to be provided as a weblink

<https://www.kkwagh.edu.in/engineering/college-development-committee/igac>

RESEARCH, INNOVATIONS AND EXTENSION

3.1 - Promotion of Research and Facilities

3.1.1 - The institution's research facilities are frequently updated and there is a well-defined policy for promotion of research which is uploaded on the institutional website and implemented

The Institution provides all necessary infrastructural facilities and conducive environment to promote research activity in the campus. The institution has high speed internet facility. The entire campus has a 24x7 Wi-Fi facility. Every research centre is equipped with necessary software, computers

and LCD facilities for carrying out research activities. The institute is having well-established AICTE-IDEA Lab with a purpose to provide all advanced facilities under one roof for the conversion of an idea into a prototype. High-end machines like 3-D Printers, 3-D Scanners, Laser Cutting Machine, PCB Milling, Wood Router, Lathe machines, Drone programming, Arduino Programming and AR/VR are available in the AICTE IDEA lab from 8am to 8pm.

The Institute Library has a rich collection of reference books and journals. Remote access (Knimbus) of e-resources is made available to all students and staff. DELNET, and INFLIBENT facilities are made available to the faculty and students to facilitate their research activities.

Furthermore, each faculty member is encouraged and incentivized to submit research publications in reputable journals UGC care-listed journals. Patents and copyright filing are also encouraged.

Institute has a well-defined research policy that underscores the importance of cultivating a collaborative and innovative environment that fosters impactful contributions to the field. Link for the Policy is as follows -

<https://www.kkwagh.edu.in/engineering/institute-policies>

File Description	Documents
Upload the Minutes of the Governing Council/ Syndicate/Board of Management related to research promotion policy adoption	No File Uploaded
Provide URL of policy document on promotion of research uploaded on the website	https://www.kkwagh.edu.in/engineering/institute-policies
Any additional information	No File Uploaded

3.1.2 - The institution provides seed money to its teachers for research

3.1.2.1 - Seed money provided by the institution to its teachers for research during the year (INR in lakhs)

9.5824

File Description	Documents
Minutes of the relevant bodies of the institution regarding seed money	No File Uploaded
Budget and expenditure statements signed by the Finance Officer indicating seed money provided and utilized	View File
List of teachers receiving grant and details of grant received	View File
Any additional information	No File Uploaded

3.1.3 - Number of teachers who were awarded national / international fellowship(s) for advanced studies/research during the year

1

File Description	Documents
e-copies of the award letters of the teachers	View File
List of teachers and details of their international fellowship(s)	View File
Any additional information	No File Uploaded

3.2 - Resource Mobilization for Research

3.2.1 - Grants received from Government and Non-Governmental agencies for research projects, endowments, Chairs during the year (INR in Lakhs)

14.82373

File Description	Documents
e-copies of the grant award letters for research projects sponsored by non-governmental agencies/organizations	View File
List of projects and grant details	View File
Any additional information	No File Uploaded

3.2.2 - Number of teachers having research projects during the year

02

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional Information	Nil
List of research projects during the year	View File

3.2.3 - Number of teachers recognised as research guides

17

File Description	Documents
Upload copies of the letter of the university recognizing teachers as research guides	View File
Institutional data in Prescribed format	View File

3.2.4 - Number of departments having research projects funded by Government and Non-Government agencies during the year

01

File Description	Documents
Supporting document from Funding Agencies	View File
Paste link to funding agencies' website	Nil
Any additional information	No File Uploaded

3.3 - Innovation Ecosystem

3.3.1 - Institution has created an ecosystem for innovations and creation and transfer of knowledge supported by dedicated centres for research, entrepreneurship, community orientation, incubation, etc.

The institute is having well-established AICTE-IDEA Lab. The AICTE-IDEA lab is a scheme by the All India Council for Technical Education (AICTE) that started in 2020. Under this

initiative students are trained on 21st Century skills, teachers are trained in Teaching-Learning Processes, research, and projects, and students are encouraged for projects and internships. The purpose of the AICTE-IDEA Lab is to provide all advanced facilities under one roof for the conversion of an idea into a prototype. Students and faculty members are encouraged to undertake creative work and in turn develop critical thinking, problem-solving, collaborative skills. The focus is on training students so that they become imaginative and creative. On getting autonomous status from AY 2022, the Institute has introduced a course on AICTE-IDEA lab for F.Y. B. Tech students where they are exposed to the machines like 3-D Printers, 3-D Scanners, Laser Cutting Machine, PCB Milling, Wood Router, Lathe machines, Drone programming, Arduino Programming, and AR/VR. At the end, students are encouraged to develop a project using the technologies that they have learned in the course. The AICTE IDEA lab is open for all the students from 8am to 8pm.

Patents - 25 granted and 9 filed/published

Copyrights - 17 published

File Description	Documents
Upload any additional information	View File
Paste link for additional information	Nil

3.3.2 - Number of workshops/seminars conducted on Research Methodology, Intellectual Property Rights (IPR), Entrepreneurship and Skill Development during the year

17

File Description	Documents
Report of the events	No File Uploaded
List of workshops/seminars conducted during the year	View File
Any additional information	View File

3.4 - Research Publications and Awards

3.4.1 - The Institution ensures implementation of its Code of Ethics for Research uploaded in the website through

B. Any 3 of the above

the following: Research Advisory Committee Ethics Committee Inclusion of Research Ethics in the research methodology course work Plagiarism check through authenticated software

File Description	Documents
Code of Ethics for Research, Research Advisory Committee and Ethics Committee constitution and list of members of these committees, software used for plagiarism check	View File
Any additional information	No File Uploaded

3.4.2 - Number of PhD candidates registered per teacher (as per the data given with regard to recognized PhD guides/ supervisors provided in Metric No. 3.2.3) during the year

3.4.2.1 - Number of PhD students registered during the year

39

File Description	Documents
URL to the research page on HEI website	Nil
List of PhD scholars and details like name of the guide, title of thesis, and year of registration	View File
Any additional information	No File Uploaded

3.4.3 - Number of research papers per teacher in CARE Journals notified on UGC website during the year

73

File Description	Documents
List of research papers by title, author, department, and year of publication	View File
Any additional information	No File Uploaded

3.4.4 - Number of books and chapters in edited volumes / books published per teacher during the year

11

File Description	Documents
Upload any additional information	View File
Paste link for additional information	Nil

3.4.5 - Bibliometrics of the publications during the year based on average Citation Index in Scopus/ Web of Science/PubMed

3.4.5.1 - Total number of Citations in Scopus during the year

1275

File Description	Documents
Any additional information	No File Uploaded
Bibliometrics of the publications during the year	No File Uploaded

3.4.6 - Bibliometrics of the publications during the year based on Scopus/ Web of Science – h-Index of the University

3.4.6.1 - h-index of Scopus during the year

169

File Description	Documents
Bibliometrics of publications based on Scopus/ Web of Science - h-index of the Institution	No File Uploaded
Any additional information	No File Uploaded

3.5 - Consultancy

3.5.1 - Revenue generated from consultancy and corporate training during the year (INR in lakhs)

98.38532

File Description	Documents
Audited statements of accounts indicating the revenue generated through consultancy and corporate training	View File
List of consultants and revenue generated by them	No File Uploaded
Any additional information	No File Uploaded

3.5.2 - Total amount spent on developing facilities, training teachers and clerical/project staff for undertaking consultancy during the year

0

File Description	Documents
Audited statements of accounts indicating the expenditure incurred on developing facilities and training teachers and staff for undertaking consultancy	View File
List of training programmes, teachers and staff trained for undertaking consultancy	No File Uploaded
List of facilities and staff available for undertaking consultancy	No File Uploaded
Any additional information	No File Uploaded

3.6 - Extension Activities

3.6.1 - Extension activities carried out in the neighbourhood sensitising students to social issues for their holistic development, and the impact thereof during the year

- The institute has National Service Scheme (NSS) Unit of 250 capacity affiliated to SPPU. The institute appoints two Programme Officers (one male and one female) along with Assistant Programme Officers from each department. Students are enrolled as per the guidelines provided by SPPU.
- NSS organizes two types of activities, regular activities at institute level and special camp of seven days at nearby villages. Regular activities include blood donation camps, tree plantation, health check-up camps, road safety

and social awareness programmes. The renowned social workers and activists guide the students in the camp. The special camp in villages, help students to understand the rural life, problems of villagers and to provide probable engineering solutions.

NSS volunteers are encouraged to participate in inter collegiate, state level and national level activities.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	Nil

3.6.2 - Number of awards and recognition received by the Institution, its teachers and students for extension activities from Government / Government-recognised bodies during the year

3

File Description	Documents
Number of awards for extension activities in during the year	View File
e-copy of the award letters	View File
Any additional information	No File Uploaded

3.6.3 - Number of extension and outreach programmes conducted by the institution through NSS/NCC/Red Cross/YRC, etc. during the year (including Government-initiated programmes such as Swachh Bharat, AIDS Awareness, and Gender Sensitization and those organised in collaboration with industry, community and NGOs)

33

File Description	Documents
Reports of the events organized	View File
Any additional information	View File

3.6.4 - Number of students participating in extension activities listed in 3.6.3 during the year

2606

File Description	Documents
Reports of the events	View File
Any additional information	No File Uploaded

3.7 - Collaboration

3.7.1 - Number of collaborative activities during the year for research/ faculty exchange/ student exchange/ internship/ on-the-job training/ project work

09

File Description	Documents
Copies of documents highlighting collaboration	View File
Any additional information	View File

3.7.2 - Number of functional MoUs with institutions of national and/or international importance, other universities, industries, corporate houses, etc. during the year (only functional MoUs with ongoing activities to be considered)

23

File Description	Documents
e-copies of the MoUs with institution/ industry/ corporate house	View File
Details of functional MoUs with institutions of national, international importance, other institutions etc. during the year	View File
Any additional information	View File

INFRASTRUCTURE AND LEARNING RESOURCES

4.1 - Physical Facilities

4.1.1 - The Institution has adequate infrastructure and physical facilities for teaching-learning, viz., classrooms, laboratories, computing equipments, etc.

- Well-equipped laboratories, state of art library, well-ventilated ICT enabled classrooms, tutorial rooms, seminar halls and faculty rooms are available.
- Additional facilities are created to fulfill the requirements whenever needed.

- The library has well demarcated space for book stacking, processing section, circulation section, book bank, reading room, periodical section, reference section, e-library, audiovisual section and offices for librarian and staff.
- The institute has developed fully dedicated infrastructure, Dr. A P J Abdul Kalam Career Development Centre, for conducting training and placement activities comprising of two computer labs, group discussion and interview rooms and also Video Conferencing facility.
- The institute has 'Construction and Maintenance' unit to look after the development, enhancement and maintenance of campus infrastructure.
- 1767 Computers, 3 servers for ERP facility and 5 servers at department level are available alongwith adequate number of peripherals and UPS backup.
- The institute is having well-established AICTE-IDEA Lab with a purpose to provide all advanced facilities under one roof for the conversion of an idea into a prototype.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	Nil

4.1.2 - The institution has adequate facilities for cultural activities, yoga, sports and games (indoor and outdoor) including gymnasium, yoga centre, auditorium etc.)

- The institute provides excellent sports facilities. A playground with area 20,000sq.m. is developed in the campus for playing outdoor games such as cricket, football, hockey etc. A six lane athletic track, two volley ball courts, one basketball court and two lawn tennis courts are also available. Similarly, the institute also has the facility for indoor games such as chess, carom and table tennis. Yoga room is available in gymnasium.
- The gymnasium is equipped with all modern equipments for body building and fitness. Some of major equipments available in the gymnasium are motorized jogger, eight station multi gym, hip abductor, cable cross machine, power cage, Olympic standard weight lifting set, bench press etc. The facility of steam and sauna bath is also available in the gymnasium. Green Gym is also available.

- During annual social gathering, various cultural activities and competitions are held at institute level. It includes singing, dance, drama, one act play, fashion show etc. Competitions like art, paintings, rangoli, photography etc. are arranged.
- For public speaking and communication, Institute has 6 seminar halls with seating capacity 150 and facilities like PA system, dias, podium, LCD projector screen, television set etc.
- The institute has Karmaveer Dispensary in the campus. Ambulance service is also made available by the Institute.
- Sanitary napkin vending and disposal machine is available in ladies common room and washrooms.

File Description	Documents
Geotagged pictures	No File Uploaded
Upload any additional information	No File Uploaded
Paste link for additional information	Nil

4.1.3 - Number of classrooms and seminar halls with ICT-enabled facilities

65

File Description	Documents
Upload any additional information	No File Uploaded
Upload Number of classrooms and seminar halls with ICT enabled facilities (Data Template)	View File

4.1.4 - Expenditure for infrastructure augmentation, excluding salary, during the year (INR in Lakhs)

2823.4448

File Description	Documents
Upload audited utilization statements	No File Uploaded
Details of Expenditure, excluding salary, during the years	View File
Any additional information	No File Uploaded

4.2 - Library as a Learning Resource

4.2.1 - Library is automated using Integrated Library Management System (ILMS)

- Name of ILMS software - KOHA
- Nature of automation (fully or partially) - Fully
- Version - 22.05.06.000
- Year of Automation - 2020
- Name of ILMS software - Librarian Software (LIBSUITE)
- Nature of automation (fully or partially) - Fully
- Version - VER.5.6
- Year of Automation - 2000

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	Nil

4.2.2 - Institution has access to the following: e-journals e-ShodhSindhu Shodhganga Membership e-books Databases Remote access to e-resources

A. Any 4 or more of the above

File Description	Documents
Details of subscriptions like e-journals, e-books, e-ShodhSindhu, Shodhganga membership	View File
Upload any additional information	No File Uploaded

4.2.3 - Expenditure on purchase of books/ e-books and subscription to journals/e-journals during the year (INR in lakhs)

52.96757

File Description	Documents
Audited statements of accounts	No File Uploaded
Any additional information	No File Uploaded
Details of annual expenditure for purchase of books/e-books and journals/e- journals during the year (Data Template)	View File

4.2.4 - Usage of library by teachers and students (footfalls and login data for online access)

4.2.4.1 - Number of teachers and students using the library per day during the year

491

File Description	Documents
Upload details of library usage by teachers and students	View File
Any additional information	View File

4.3 - IT Infrastructure

4.3.1 - Institution has an IT policy covering Wi-Fi, cyber security, etc. and has allocated budget for updating its IT facilities

- 1767 Computers with Internet facility are available in different laboratories of the departments
- LAN facility is available everywhere in the campus including all hostels.
- WiFi facility is provided using 13 indoor access points with data rate over 300 Mbps and 10 outdoor Enterprise class access points with data rate over 300 Mbps and over 3 km of range. WiFi facility is also available in the

campus for all the students and staff.

- ERP facility is provided to all staff and students.
- The institute has provided BSNL 1Gbps and TATA 500 Mbps lease line. Upgraded Firewall to Latest Sophos & Layer 2 Switches added for better performance.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	Nil

4.3.2 - Student - Computer ratio

Number of Students	Number of Computers
4873	1767

File Description	Documents
Upload any additional information	No File Uploaded

4.3.3 - Bandwidth of internet connection in the Institution and the number of students on campus

A. 250 Mbps

File Description	Documents
Details of bandwidth available in the Institution	No File Uploaded
Upload any additional information	View File

4.3.4 - Institution has facilities for e-content development: Facilities available for e-content development Media Centre Audio-Visual Centre Lecture Capturing System (LCS) Mixing equipments and software for editing

B. Any three of the above

File Description	Documents
Upload any additional information	View File
Paste link for additional information	Nil
List of facilities for e-content development (Data Template)	View File

4.4 - Maintenance of Campus Infrastructure

4.4.1 - Expenditure incurred on maintenance of physical and academic support facilities, excluding salary component, during the year (INR in lakhs)

1134.81496

File Description	Documents
Audited statements of accounts	No File Uploaded
Upload any additional information	No File Uploaded

4.4.2 - There are established systems and procedures for maintaining and utilizing physical, academic and support facilities – classrooms, laboratory, library, sports complex, computers, etc.

- 'Construction and Maintenance' unit of K. K. Wagh Education Society takes care of maintenance of all buildings in the campus which includes civil work modifications, building repairing, road repairing, plumbing, colouring etc. The unit also monitors housekeeping and cleaning of water tanks and sanitary blocks. An external agency is appointed for cleaning of all water tanks of the campus on contractual basis.
- 'Furniture and Maintenance' unit of K. K. Wagh Education Society fulfills the requirement regarding fabrication and maintenance of furniture in the institute.
- 'Gardening' unit of K. K. Wagh Education Society maintains the campus green and nature friendly. The plants and lawns are irrigated through well designed sprinkler system.
- The maintenance of all the electrical works in the campus is taken care by maintenance wing of department of electrical engineering.
- The maintenance and repairing of the equipments is done by the respective departments with the help of technical assistants and services of external agencies are also

hired for major and critical troubleshooting.

- Each department of the institute carries out the maintenance and calibration of the equipments and measuring instruments periodically.
- Weblink for Maintenance Policy
-<https://www.kkwagh.edu.in/engineering/institute-policies>

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	https://www.kkwagh.edu.in/engineering/institute-policies

STUDENT SUPPORT AND PROGRESSION

5.1 - Student Support

5.1.1 - Number of students benefitted by scholarships and freeships provided by the Government during the year

3731

File Description	Documents
Upload self-attested letters with the list of students receiving scholarships	View File
Upload any additional information	No File Uploaded

5.1.2 - Number of students benefitted by scholarships and freeships provided by the institution and non-government agencies during the year

234

File Description	Documents
Upload any additional information	View File
Institutional data in prescribed format	View File

5.1.3 - The following Capacity Development and Skill Enhancement activities are organised for improving students' capabilities Soft Skills Language and

A. All of the above

**Communication Skills Life Skills (Yoga,
Physical fitness, Health and Hygiene)
Awareness of Trends in Technology**

File Description	Documents
Link to Institutional website	Nil
Details of capability development and schemes	View File
Any additional information	No File Uploaded

5.1.4 - Number of students benefitted from guidance/coaching for competitive examinations and career counselling offered by the institution during the year

644

File Description	Documents
Any additional information	No File Uploaded
Number of students benefitted by guidance for competitive examinations and career counseling during the year (Data Template)	View File

5.1.5 - The institution adopts the following mechanism for redressal of students' grievances, including sexual harassment and ragging: Implementation of guidelines of statutory/regulatory bodies Creating awareness and implementation of policies with zero tolerance Mechanism for submission of online/offline students' grievances Timely redressal of grievances through appropriate committees

A. All of the above

File Description	Documents
Minutes of the meetings of students' grievance redressal committee, prevention of sexual harassment committee and Anti-ragging committee	No File Uploaded
Details of student grievances including sexual harassment and ragging cases	No File Uploaded
Upload any additional information	View File

5.2 - Student Progression

5.2.1 - Number of outgoing students who got placement during the year

579

File Description	Documents
Self-attested list of students placed	View File
Upload any additional information	No File Uploaded

5.2.2 - Number of outgoing students progressing to higher education

17

File Description	Documents
Upload supporting data for students/alumni	View File
Details of students who went for higher education	View File
Any additional information	No File Uploaded

5.2.3 - Number of students qualifying in state/ national/ international level examinations during the year

5.2.3.1 - Number of students who qualified in state/ national/ international examinations (e.g.: IIT-JAM/NET/SET/JRF/ GATE /GMAT /CAT/ GRE/ TOEFL/Civil Services/State government examinations) during the year

48

File Description	Documents
Upload supporting data for students/alumni	View File
Any additional information	No File Uploaded

5.3 - Student Participation and Activities

5.3.1 - Number of awards/medals for outstanding performance in sports and/or cultural activities at inter-university / state /national / international events (award for a team event should be counted as one) during the year

10

File Description	Documents
e-copies of award letters and certificates	View File
Any additional information	View File

5.3.2 - Presence of an active Student Council and representation of students in academic and administrative bodies/committees of the institution

The institute has student representatives in many of the academic and administrative bodies for effective functioning which are listed below:-

- Anti Ragging Committee
- Internal Complaint Committee for Women
- Training and Placement
- Student Council
- National Service Scheme
- Cultural/Sports Committee
- ISTE, SAE, IET, ISHRAE, CSI & ACM Students' Chapter
- College Development Council
- Internal Quality Assurance Cell
- IoT Club, Astro Club, Environmental Club, White Spot Club, Financial Literacy Club, Automobile Vehicle Club, Art Club.

The students' associations of various departments are -

- Association of Chemical Engineering Students
- Civil Engineering Students' Association
- Debuggers Club
- EFFECT
- Student Association of Electronics Engineering

- ITERON Club
- Mechanical Engineering Students' Association, KK Motor Sports Club
- Production Engineering Students' Association
- ABACUS Club
- Management Studies Students' Association
- First Year Engineering Students' Association

Every year, a Student Council is constituted as per the notification issued by the university, under the provisions of section 40 (2) (b) of the Maharashtra Universities Act, 1994.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	Nil

5.3.3 - Number of sports and cultural events / competitions organised by the institution

4

File Description	Documents
Report of the event	No File Uploaded
List of sports and cultural events / competitions organised per year	View File
Upload any additional information	No File Uploaded

5.4 - Alumni Engagement

5.4.1 - The Alumni Association and its Chapters (registered and functional) contribute significantly to the development of the institution through financial and other support services

Alumni association of K. K. Wagh College of Engineering, Nashik is registered under the Societies registration act 1860 (29) with effect from 17/1/2003 having registration number Maharashtra/7828/2003/Nashik. The main objectives of alumni association include promoting and fostering mutually beneficial interaction between the alumni and the present students of Institute and also between the alumni themselves, encouraging them to take an active part in the work and progress of the Institute and also to generate funds for students and alumni welfare. During A. Y. 2023-24, the alumni association had

organized an alumni meet at Delhi. More than 125 alumni attended this meet.

Role of Alumni in Development of Institute

1. Providing placement assistance to students by conducting campus interviews.
2. Helping students to get projects and in plant training.
3. Providing expert talk/conducting seminars.
4. Providing career guidance to the students.
5. Contribution in syllabus preparation.
6. Examiners for various university exams

Sponsorship for various events organized by the Institute.

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	Nil

5.4.2 - Alumni's financial contribution during the year

E. <2 Lakhs

File Description	Documents
Upload any additional information	No File Uploaded

GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 - Institutional Vision and Leadership

6.1.1 - The governance of the institution is reflective of an effective leadership in tune with the vision and mission of the Institution

Vision: To be a valuable resource for industry and society through quality education and research in engineering and management

Mission 1: Impart quality education by nurturing a conducive learning environment through continuous improvement.

Mission 2: Promote socially relevant research and development (R&D) in collaboration with industry and research institutes.

Mission 3: Facilitate R&D based innovation to meet emerging needs of society.

Mission 4: To equip the students with 21st century competencies and character qualities for their holistic development.

In view of Autonomy and NEP 2020 implementation, Institute has reformulated the Vision and Mission statements in consultation with all stakeholders, active participation of all faculty members and guidance from experts from various fields.

The institute is committed for imparting technical education at affordable fees, to students from society at large. The institute is known as a premier institute in engineering education with distinctive characteristics like senior and stable faculty force, continuous upgradation of labs and library facilities, efforts for enhancing overall personality and communication skills and research and consultancy activities. The institute follows ethical practices and encourages Indian culture and value system. Research projects are undertaken by faculty and students for societal problems. The institute has obtained Autonomy from 2022-23.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional Information	Nil

6.1.2 - Effective leadership is reflected in various institutional practices such as decentralization and participative management

The management of the institute has two main committees, Governing Body (GB) and College Development Committee (CDC). The role of the GB is to decide the policies for the smooth functioning of the institute. The GB decides the policies and gives directions to the institute for the effective implementation. The organizational structure of the institute is a blend of professional autonomy, individual accountability and well-defined administrative structure. Within this overall framework, faculty members have the operational autonomy in executing their teaching, research, training and consultancy activities.

The institute promotes participative management. The institute constitutes committees for general and academic development which includes faculty, nonteaching staff and students' participation. Involvement and participation is ensured from every segment of the institute in decision making processes. There are three levels of administrative structure under which all the activities of the institute are carried out.

Society level - The management of the institute is directed by GB, whose members, are appointed in accordance with the guidelines provided by the AICTE.

Institute level - The CDC is constituted as per the guidelines provided by the University. All the main decisions related to the institute are taken by the Director in consultations with the Deans and Head of departments.

Department level - The Heads of Department are responsible for the day-to-day administration of the department and report directly to the Director.

File Description	Documents
Upload strategic plan and deployment documents on the website	No File Uploaded
Upload any additional information	No File Uploaded
Paste link for additional Information	Nil

6.2 - Strategy Development and Deployment

6.2.1 - The institutional Strategic/ Perspective plan has been clearly articulated and implemented

The head of the institution guides and administers all the activities and plays a leading role in implementation of the stated vision and mission. Strategic Plan has been developed by involving the Heads of all departments and sections. Meetings of all faculty members are regularly conducted for planning and execution of all such activities. Action plan for departments based on academic calendar, vision and mission of the institute and of the departments, co-curricular and extra-curricular activities, is prepared by head of departments in consultation with Director. The involvement of all stakeholders is ensured for improving the quality of the institution. The institute

policies are constituted to meet the market demands. The stakeholder requirements and industrial needs are taken into account while preparing Strategic Plan, policies and Vision/Mission of the Institute.

The institute intends to strengthen the teaching learning process by adopting latest technology for blended learning. To improve the administrative procedures and working, ERP system is implemented in the institute. Regular use of LearnLive / LearniCo has been adopted for improving the Teaching-Learning and Continuous Assessment. Institute has developed good relationship with the industries in the form of joint research, expert lectures and curriculum design.

File Description	Documents
Strategic Plan and deployment documents on the website	No File Uploaded
Paste link for additional information	Nil
Upload any additional information	No File Uploaded

6.2.2 - The functioning of the various institutional bodies is effective and efficient as visible from the policies, administrative set-up, appointment and service rules, procedures, etc.

All the departments of the institute have departmental committees coordinated by faculty members and monitored by Head of the Department for smooth conduction of academic and administrative activities. The institute has constituted committees as per the norms and also additional committees are constituted for internal coordination and monitoring of the activities.

The institute is represented by Principal on various committees at Education Society level as listed below -

1. Finance Committee
2. Purchase Committee
3. Staff Selection Committee
4. Construction and Maintenance Committee

The resolutions related to the policies and plans, made during

meetings of Board of directors, Governing body and College Development Committee are communicated to all members of the institute. These are discussed in regular meetings of head of departments and action plans are prepared.

The institute has the following mechanisms for better management and improvement in human resource:

- Recruitment of well qualified and experienced faculty as per AICTE/UGC norms
- Promotions as per AICTE/UGC norms
- Implementation of staff welfare schemes.

The outcome of performance appraisal reports is used for reviewing the annual progress of staff and for promotion to the next scale/designation. The outcome of performance appraisal is communicated to the faculty by making an appropriate entry in service books.

File Description	Documents
Paste link to Organogram on the institution webpage	Nil
Upload any additional information	No File Uploaded
Paste link for additional Information	Nil

6.2.3 - Implementation of e-governance in areas of operation: Administration Finance and Accounts Student Admission and Support Examination

A. All of the above

File Description	Documents
ERP (Enterprise Resource Planning) Documen	View File
Screen shots of user interfaces	No File Uploaded
Details of implementation of e-governance in areas of operation	View File
Any additional information	No File Uploaded

6.3 - Faculty Empowerment Strategies

6.3.1 - The institution has effective welfare measures for teaching and non-teaching staff and avenues for their career development/ progression

The following welfare schemes are available for teaching staff -

- Group Insurance Scheme
- Employees Provident Fund
- Gratuity
- EL Encashment
- CL and ML as per rule
- Quarter for Principal

The following welfare schemes are available for non-teaching staff -

- Group Insurance Scheme
- Employees Provident Fund
- Gratuity
- EL Encashment
- CL and ML as per rule
- Workmen compensation facility
- Quarter for Rector
- Uniform for security guards

File Description	Documents
Upload any additional information	View File
Paste link for additional information	Nil

6.3.2 - Number of teachers provided with financial support to attend conferences / workshops and towards payment of membership fee of professional bodies during the year

53

File Description	Documents
Upload any additional information	View File
Details of teachers provided with financial support to attend conference, workshops etc during the year (Data Template)	View File

6.3.3 - Number of professional development / administrative training programmes organized by the Institution for its teaching and non-teaching staff during the year

12

File Description	Documents
Reports of the Human Resource Development Centres (UGC HRDC/ASC or other relevant centres)	View File
Upload any additional information	No File Uploaded

6.3.4 - Number of teachers who have undergone online/ face-to-face Faculty Development Programmes during the year: (Professional Development Programmes, Orientation / Induction Programmes, Refresher Courses, Short-Term Course, etc.)

140

File Description	Documents
Summary of the IQAC report	No File Uploaded
Reports of the Human Resource Development Centres (UGC ASC or other relevant centers)	View File
Upload any additional information	No File Uploaded

6.4 - Financial Management and Resource Mobilization

6.4.1 - Institution conducts internal and external financial audits regularly

The institute ensures an internal and external audit of all its accounts.

The accounts are reviewed internally by the Finance manager for proper utilization and queries, if any, are referred to Director.

The external audit is done once in a year by external auditors. The last audit major audit objections were raised in the last audit.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	Nil

6.4.2 - Funds / Grants received from non-government bodies, individuals, and philanthropists during the year (not covered in Criterion III and V) (INR in lakhs)

7.22508

File Description	Documents
Annual statements of accounts	No File Uploaded
Details of funds / grants received from non-government bodies, individuals, philanthropists during the year	View File
Any additional information	View File

6.4.3 - Institutional strategies for mobilisation of funds and the optimal utilisation of resources

The institute adopts a budgeting procedure, with adequate resources for non-recurring expenses, recurring expenses (e.g. salary, faculty development, research, repairs & maintenance, consumables etc.), learning resources (e.g. books, journals, periodicals) and creation of new facilities.

- The institute collects budgetary requirements from all the departments/sections in a prescribed format.

- The head, in consultation with the faculty members, finalize the department requirements and forward them to the Director for approval.

- The institute budget is then prepared and the proposed budget is sent to the management for further consideration.
- Decision is made in consultation with the Director to ensure that the requirements stated in the budget are given proper justification. The Governing Body of the institute is the final decision making authority for budgetary approval based on recommendations given by the Director.
- A standard procedure is followed for procurement.
- Provisions are made for any additional requirement of capital for emergency expenditure.
- The major source of receipts is Tuition Fees and Development fees from the students. Deficit if any is taken care by the Education Society through corpus fund.
- Efforts are made by the institute in securing additional funding through projects sponsored by organizations like DST, AICTE (schemes like MODROB, RPS, Seminar etc.), SPPU-BCUD, testing and consultancy work and others.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional Information	Nil

6.5 - Internal Quality Assurance System

6.5.1 - Internal Quality Assurance Cell (IQAC) has contributed significantly for institutionalizing quality assurance strategies and processes visible in terms of incremental improvements made during the preceding year with regard to quality (in case of the First Cycle): Incremental improvements made during the preceding year with regard to quality and post-accreditation quality initiatives (Second and subsequent cycles)

- Academic Preparation Plan for both semesters for all courses and Use of LearnCo/LearnLive (LMS) for improving real time interactions during online lectures of FYBTech/FYMCA/FYMBA classes
- Welcome Drink Program was organized at Institute level for all students of FY BTech. The aim of this program was to refresh and reinforce fundamental knowledge demanded by Engineering Programs.
- Induction Training for newly appointed faculty (4-5th Jan.

& 24th Feb. 2024) (No. of Participants- 36)

- UG Project Policy Framing, Implementation and periodic Monitoring at Institute level
- Psychometric Test for FY BTech Students to identify Advanced and Slow Learners (4th to 14th Sept. 2023) (Total No. of Participants- 1008)
- Implementation of four Quality Objectives with clearly defined Action Plans for Quality Parameters to assess Teaching-Learning Process -

1) To attain course outcomes of all FY BTech subjects with level 1 in the academic year 2024-25. (Level 1 - 60 % students securing 60 % or more marks in SEE and CIE)

2) To attain course outcomes of all SY and TY BTech subjects with level 1 in the academic year 2024-25. (Level 1 - 60 % students securing 60 % or more marks in SEE and CIE)

3) To improve the quality of final year projects in the academic year 2024-25 by ensuring use of top-notch technologies for implementation and timely completion of all phases of project life cycle, for all projects.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	Nil

6.5.2 - The institution reviews its teaching-learning process, structures and methodologies of operation and learning outcomes at periodic intervals through its IQAC as per norms

§ LMS/Learnico Usage Reports are sent to all departments every fortnight.

§ Collection and Analysis of student feedback about subject teachers, once per semester (18-28 Sept. 2023, 10-17 Oct. 2023 and 1-10 Mar. 2024).

§ Student Satisfaction Survey (Once a year from final year students after Project exam) 15-30 June 2023.

§ Conduction of two Final Year Project reviews in each semester by project guides and timely completion of the same is monitored by IQAC.

§ Stakeholder's feedback (Collection and Compilation from all depts.)

§ Monthly Monitoring of implementation of action plans of Quality Objectives 1, 2 and 3.

§ Academic & Administrative Audit for 2023-24 Sem- I and Sem II for 12 Departments and 9 Sections (20 February - 6 March 2024, 14 - 29 June 2024).

§ Rosetta Stone Foreign Language Training for 40 students.

The IQAC had organized Final Year Project Exhibition cum Contest on 4th June 2024. Out of 299 projects developed from different departments, 30 project were shortlisted for the contest. Mr. Nilesh Salgaonkar, Director, Technocrat, Nashik, Mr. Mahendra Gaikwad, Mentor, JEE & NEET exams and Ms Prajakta Somani, Head of Software Development, ESDS, Nashik worked as judges. Cash Prizes worth Rs. 28,000/- were awarded to the best 6 projects of the Institute.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	Nil

6.5.3 - Quality assurance initiatives of the institution include Regular meeting of the IQAC Feedback collected, analysed and used for improvement of the institution Collaborative quality initiatives with other institution(s) Participation in NIRF Any other quality audit recognized by state, national or international agencies (such as ISO Certification)

A. Any 4 or all of the above

File Description	Documents
Paste the web link of annual reports of the Institution	Nil
Upload e-copies of accreditations and certification	View File
Upload details of quality assurance initiatives of the institution	View File
Upload any additional information	No File Uploaded

INSTITUTIONAL VALUES AND BEST PRACTICES

7.1 - Institutional Values and Social Responsibilities

7.1.1 - Measures initiated by the Institution for the promotion of gender equity during the year

There are around 35% girl students in the institute. The institute provides equal opportunity to girls and boys students with respect to students' council, participation in committees and extracurricular activities, sports and placements, etc.

Internal Complaint Committee for women takes care of all complaints on sexual harassment of women at workplace and action taken for redressal of complaint.

The campus is safe and secured and is under CCTV surveillance. Separate Rest room for girls students and lady staff members is available in the Institute.

Separate Sports/ cultural events are arranged for girl students each year.

Seminar on "Exploring Adaptive Leadership : Navigating Change in Dynamic World"(25th April 2024) by Dr. Vandana Sonwaney, Director, Symbiosis Institute of Operations Management was attended by 104 students.

Seminar on "The PCOS Winner Lifestyle 12/10/23) by Dr. Gouri Karandikar, President , Nashik Obstetrics and Gynaecology Society and team was attended by 116 students.

Women's Sport Event on International Women's Day - Inter-institute Cricket Matches and other sport events (9/3/2024) had participation of 75 women staff members.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional Information	Nil

7.1.2 - The Institution has facilities for alternate sources of energy and energy conservation: Solar energy Biogas plant Wheeling to the Grid Sensor-based energy conservation Use of LED bulbs/ power-efficient equipment

B. Any 3 of the above

File Description	Documents
Geotagged Photographs	No File Uploaded
Any other relevant information	No File Uploaded

7.1.3 - Describe the facilities in the institution for the management of the following types of degradable and non-degradable waste (within a maximum of 200 words)

Various initiatives are taken by the institute for degradable and non-degradable waste. Few are listed below-

Huge plantation and greenery has reduced CO2 level considerably.

Solid waste is taken care by dispatching it for composting.

Septic tanks are provided for each building to take care of liquid waste.

Hazardous waste is handled carefully and disposed safely.

Batteries are replaced regularly after expiry of their useful life

Electronics gadgets, circuits, kits have been written off on regular basis and then it is sold out to buyers by auctioning.

All the miscellaneous e-waste from every department is delivered for safe disposal.

Plastic waste collection was organized on 2nd October 2023 by Nashik Municipal Corporation.

File Description	Documents
Relevant documents like agreements/MoUs with Government and other approved agencies	No File Uploaded
Geotagged photographs of the facilities	No File Uploaded
Any other relevant information	No File Uploaded

7.1.4 - Water conservation facilities available in the Institution: Rain water harvesting Bore well /Open well recharge Construction of tanks and bunds Waste water recycling Maintenance of water bodies and distribution system in the campus

B. Any 3 of the above

File Description	Documents
Geotagged photographs / videos of the facilities	No File Uploaded
Any other relevant information	No File Uploaded

7.1.5 - Green campus initiatives include

7.1.5.1 - The institutional initiatives for greening the campus are as follows:

- 1.Restricted entry of automobiles**
- 2.Use of bicycles/ Battery-powered vehicles**
- 3.Pedestrian-friendly pathways**
- 4.Ban on use of plastic**
- 5.Landscaping**

B. Any 3 of the above

File Description	Documents
Geotagged photos / videos of the facilities	No File Uploaded
Various policy documents / decisions circulated for implementation	No File Uploaded
Any other relevant documents	No File Uploaded

7.1.6 - Quality audits on environment and energy undertaken by the institution

7.1.6.1 - The institution's initiatives to preserve and improve the environment and harness energy are confirmed through the following:

- 1. Green audit**
- 2. Energy audit**
- 3. Environment audit**
- 4. Clean and green campus recognitions/awards**
- 5. Beyond the campus environmental promotional activities**

A. Any 4 or all of the above

File Description	Documents
Reports on environment and energy audits submitted by the auditing agency	View File
Certification by the auditing agency	View File
Certificates of the awards received	No File Uploaded
Any other relevant information	No File Uploaded

7.1.7 - The Institution has a disabled-friendly and barrier-free environment: Ramps/lifts for easy access to classrooms and centres Disabled-friendly washrooms Signage including tactile path lights, display boards and signposts Assistive technology and facilities for persons with disabilities: accessible website, screen-reading software, mechanized equipment, etc. Provision for enquiry and information: Human assistance, reader, scribe, soft copies of reading materials, screen reading, etc.

A. Any 4 or all of the above

File Description	Documents
Geotagged photographs / videos of facilities	No File Uploaded
Policy documents and brochures on the support to be provided	No File Uploaded
Details of the software procured for providing assistance	No File Uploaded
Any other relevant information	No File Uploaded

7.1.8 - Describe the Institutional efforts/initiatives in providing an inclusive environment i.e. tolerance and harmony towards cultural, regional, linguistic, communal, socio-economic and other diversities (within a maximum of 200 words).

- Induction Programme at institute level is conducted for the students admitted in first/second year and their parents for each branch to help them understand the engineering curriculum and evaluation process.
- Psychometric test at institute level is conducted for the students admitted in first year to identify advanced and slow learners with finer characteristics and their basic learning levels/needs.
- The students from the disadvantaged sections of society, physically challenged, economically weaker sections are also identified.
- Student section creates awareness and provides all necessary information regarding various scholarships and social welfare schemes available to the students.
- The institute has EARN and LEARN scheme for the students from economically weaker section.
- The minority cell helps the students from minority communities to avail scholarships provided by the government.
- Book Bank facility is provided to reserved category students.
- Special Programmes for enhancement of communication skills were arranged for SC/ST students under the AICTE SPDC Scheme.
- Special Programmes for enhancement creative abilities were arranged for students under the AICTE SPICES Scheme.
- The institute facilitates scholarships from external

agencies like Neeraja Foundation, Reliance Foundation, Ekam Foundations and also permits payment of fees in installment from the students of economically weaker sections

File Description	Documents
Supporting documents on the information provided (as reflected in the administrative and academic activities of the Institution)	No File Uploaded

7.1.9 - Sensitization of students and employees of the institution to constitutional obligations: values, rights, duties and responsibilities of citizens:

- The institute is providing engineering graduates to the society. The engineers are expected to know the strengths and weaknesses of society and identify the opportunities and challenges involved in doing major reforms required to build a better society.
- The objectives of the extension activities organized by the institute are to sensitize students on critical issues concerned with society and environment such as poverty, social injustice, gender bias, pollution evils. Through these activities, the students are made aware of their roles to be played in the society. Such extension activities help students to groom their personalities and make them ready to participate in the Nation building process.
- NSS unit provides a platform to understand moral, ethical and social values, to develop leadership quality, to work in a team and to boost overall confidence of the students.

A course on Universal Human Values enables students to explore aspects of human society and to develop characteristics that encourage personal fulfillment, meaningful professional life and responsible citizenship.

A course on Democracy, Governance and Elections was introduced in the FY BTech (2022 Syllabus) and SY BTech (2023 Syllabus) Engineering Curriculum and Introduction to Constitution at PG level to understand and practice key principles of Democracy.

NSS Unit of the Institute celebrated Voter's Day on 25 January 2024 and National Unity Day on 31 October 2023.

File Description	Documents
Details of activities that inculcate values necessary to transform students into responsible citizens	No File Uploaded
Any other relevant information	No File Uploaded

7.1.10 - The institution has a prescribed code of conduct for students, teachers, administrators and other staff and conducts periodic sensitization programmes in this regard: The Code of Conduct is displayed on the website There is a committee to monitor adherence to the Code of Conduct Institution organizes professional ethics programmes for students, teachers, administrators and other staff Annual awareness programmes on the Code of Conduct are organized	A. All of the above
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File Description	Documents
Code of Ethics - policy document	No File Uploaded
Details of the monitoring committee composition and minutes of the committee meeting, number of programmes organized, reports on the various programmes, etc. in support of the claims	No File Uploaded
Any other relevant information	No File Uploaded

7.1.11 - Institution celebrates / organizes national and international commemorative days, events and festivals
<ul style="list-style-type: none"> • National Education Day - Birth anniversary of Maulana Abdul Kalam Azad was celebrated as National Education Day. • Parakram Din- Netaji Subhash Chandra Bose Jayanti was celebrated. • NSS Unit of the Institute celebrated Voter's Day on 25 January 2024 and National Unity Day on 31 October 2023 • Independence Day and Republic Day is celebrated with full honour and employees/students who have contributed for social cause are felicitated.

- Teacher's day and Engineer's Day is celebrated every year to remember the contributions of Dr. S. Radhakrishnan and Sir M. Visveswaraya respectively. Teachers are felicitated on these days for their dedicated service as Engineer and Teacher.

File Description	Documents
Annual report of the celebrations and commemorative events for during the year	View File
Geotagged photographs of some of the events	No File Uploaded
Any other relevant information	No File Uploaded

7.2 - Best Practices

7.2.1 - Provide the weblink on the Institutional website regarding the Best practices as per the prescribed format of NAAC

1. Title of the Practice I : Student Centered Teaching & Learning

Objectives of the Practice:

- To enhance teaching learning process in Engineering Education.
- To adopt innovative teaching methodologies.
- To promote use of ICT in teaching learning process.

2. Title of the Practice II : Service Learning through Volunteering and Internships

Objectives of the Practice:

- To work closely with the industry to understand new or improved products, techniques, processes, systems or services.
- To create awareness about social needs and real life problems.
- To develop transferable and life skills through service learning.

3. Title of the Practice III : Review Process for Final Year

Project Quality & Monitoring

Objectives of the Practice:

- To prepare and implement the Final Year Project Policy at Institute level for strict adherence to timelines and project review parameters.
- To enhance quality of Final Year Projects.
- To ensure timely completion of all Final Year Projects.

File Description	Documents
Best practices in the Institutional website	https://www.kkwagh.edu.in/engineering/college-development-committee/igac
Any other relevant information	Nil

7.3 - Institutional Distinctiveness

7.3.1 - Highlight the performance of the institution in an area distinct to its priority and thrust (within a maximum of 200 words)

The institute is permanently affiliated to Savitribai Phule Pune University. Most of the programmes offered by the institute have been accredited by NBA, AICTE, New Delhi. In year 2003, six programmes and in year 2012, five programmes were accredited respectively. The Institute has been accredited by NAAC with grade A in 2018 and is extended upto December 2027. Eight programmes were accredited by NBA in 2019.

Mechanical UG Programme has been re-accredited from 2024-25 to 2026-27 (upto 30/6/2027). Five UG programmes - Chemical Engg., Civil Engg., Computer Engg., Electrical Engg. and E&TC Engg. were re-accredited from 2022-23 to 2024-25 (upto 30/6/2025). MCA programme was re-accredited for 2024-25 upto 30/6/2025).

UGC has granted Autonomous status from 2022-2023 to 2031-2032.

The institute has been recognised by NIRF (Ranked 9th in Maharashtra state and 85th in India) in year 2016. The institute was placed in Platinum Category (highest) through joint survey by AICTE-CII in 2016, 2018, 2019, 2020 and Gold Category in 2017. The institute was placed at 11th position among Engineering Colleges of Maharashtra in the Digital Learning

Survey for Top engineering institute ranking 2020 with AAAA+ Rating.

Hence, the institute aims at becoming a leading autonomous institute with courses aligned with industrial and societal needs.

File Description	Documents
Appropriate link in the institutional website	https://www.kkwagh.edu.in/engineering/college-development-committee/igac
Any other relevant information	No File Uploaded

7.3.2 - Plan of action for the next academic year

- Planning & Implementation of Autonomy in alignment with NEP 2020
- Effective Implementation of Outcome Based Education.
- Planning & Preparation for NBA visit of Information Technology dept.
- Strengthening Alumni Network.
- Strengthening Industry-Institute Interaction.
- Planning for Social Activities by NSS and NGOs.
- Development of Innovation Center and AICTE IDEA Lab in the campus.
- Submitting research proposals / research papers.