

Nagar Yuwak Shikshan Sanstha's
Yeshwantrao Chavan College of Engineering
(An Empowered Autonomous Institution under RTM Nagpur University)

NAAC Accredited with 'A++' Grade
Hingna Road, Wanadongri, Nagpur - 441 110
Ph.: 07104-295083, 295085, Website: www.ycce.edu

Minutes of Meeting

Date: 24th August 2026

Minutes of the 1st Internal Quality Assurance Cell (IQAC) for Academic Session 2026-27 held on **Saturday, 8th August 2026 at 11 am at Board Room, YCCE**. The following IQAC member attended the meeting -

1. Dr. U.P. Waghe, Chairman, IQAC
2. Dr. A.R. Bhagat Patil, Director, IQAC
3. Dr. Abhaykumar M. Khute, Member, Academician
4. Mr. Arpit Rahmatkar, Member, Employer
5. Mr. Pankaj Sawarkar, Member, Industry
6. Dr. Vrishali Panchalwar, Member, Stakeholder Parent
7. Mr. Chetan Wazalwar, Chief Administrative Officer
8. Dr. Mrs. Prarthana Deshkar, A.P. CT
9. Prof. Dhananjay Titarmare, Dy. COE
10. Dr. Sharad Chaudhari, Sr. Teacher Member
11. Dr. Mrs. U.H. Gawande, Sr. Teacher Member
12. Prof. Vaibhav Doifode, Sr. Teacher Member
13. Dr. Ms. Minal Kale, Sr. Teacher Member
14. Mr. Mohit Tirupude, Student Member
15. Mr. Masudur Rahaman Mofijul Laskar, Student Member

Leave of absence granted to :-

1. Mr. Kumar Mansukhani, Management Representative
2. Mr. Pravin Jhamnani, Member, Alumni
3. Dr. S.V. Prayagi, Sr. Teacher Member
4. Dr. S.G. Mahakalkar, Sr. Teacher Member

At the outset, the Chairman, IQAC, welcomed all members for the first meeting of Internal Quality Assurance Cell for Academic Session 2026-27. The meeting commenced with the pre-circulated agenda and discussion is as under:-

1. Welcome of External IQAC Members

Dr. U.P. Waghe, Principal & Chairman, IQAC, YCCE welcomed the new members of IQAC and felicitated them with offering bouquets.

2. About IQAC Members.

IQAC Director, Dr. A. R. Bhagat Patil, briefed the IQAC Members, particularly newly inducted members about the IQAC and the functions of the IQAC.

- Every Institution needs to establish Internal Quality Assurance Cell.
- IQAC formation is as per the NAAC guidelines.

Functions of IQAC

- Develop quality benchmarks for academic and administrative activities.
- Integrate modern methods of teaching and learning for a student-centric environment.



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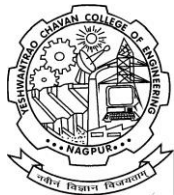
- Organize workshops, seminars on quality themes.
- Develop Quality Culture in the institution and adopt Best Practices.
- Prepare the Annual Quality Assurance Report (AQAR) as per guidelines.

3. Discussion on Outcomes of IQAC 2025-26 Action Plan

Dr. A. R. Bhagat Patil, IQAC Director presented the outcomes of the IQAC Action Plan for the year 2025-26.

Major Outcomes of IQAC Action Plan 2025-2026.

SN	Parameter	Outcomes
1	Quality Activities	1. NBA Accreditation (Extension) of CT UG programme for 3 years. 2. NIRF Ranking 2025: 151-200 Band 3. Data Quest Ranking: 35 4. India Today Ranking: 93 5. IIRF Ranking: 69 6. Conducted Academic & Administrative Audit (AAA). 7. OBE process alignment as per new accreditation requirements. 8. SDG Identification & Mapping with Courses & Activities. 9. Team Titan of YCCE received Consolation Prize in ISRO Robotic Challenge Competition 2025.
2	Curriculum & T-L	1. No. of Programmes offered: UG (13+3*) & PG (6+1) (Total 23) 2. No. of Courses offered: 1265 3. Honor and Minor Programme Offered: Honors:5, Minor:25 4. No. of New Courses offered: 56 5. Offered Open Elective Courses: 50 6. IKS related courses in curriculum: 07 + 46* 7. No. of Value-added Courses offered: 34 8. Innovative T-L Methods practiced: 26
3	Student & Faculty	1. Students Admissions (1 st Yr.): 100% 2. Number of students enrolled: 7090 + 74* (WP) 3. No. of teachers on roll: 317 4. Faculty Student Ratio: 1: 22.36 5. No. teachers with PhD Qualification: 139 6. No. of recognized PhD Supervisors: 65 7. Avg. experience of teachers: 10.46 Yrs 8. Scholarships to Students (Govt.): 5109 9. Scholarships to Students (institute): 145
4	Faculty/Staff and Student Development & Achievements	1. No. of teachers attended FDP Programs: 309 2. No. of teachers provided financial support to attend conferences/workshops: 272 3. No. of professional development programs organized for teaching & non-teaching staff: 42 4. No. of students registered under ABC scheme: 11487
5	Students Placements/Higher Studies	1. No. of student's placement: 893+81* 2. Highest Package: 46 Lakhs 3. Median Salary: 7 Lakh 4. No. of students qualify competitive exams.: 64



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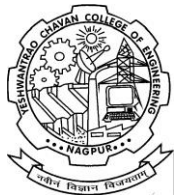
		5. No. of students joined Higher Studies: 12 6. No. of student's entrepreneur: 06
6	R & D Activities	1. No. of research papers published: 1174 (Scopus +WoS) 2. No. of Citations in Scopus/WoS: 10191 3. No. of Patents Published: 121 4. No. of Patents Granted: 56 5. No. of Copyrights Published: 122 6. No. of PhD Awarded Faculty: 14 7. Seed money provided to teachers: 5.55 Lakh 8. Consultancy Revenue generated: 77.48 Lakh 9. Funding Received: 87.79 Lakh 10. No. of functional MoUs: 102 11. Startup recognized (DPIIT/Startup India): 04 12. Startups with VC investment: 01
7	Academic Infrastructure	1. Number of Classrooms: 85, No. of Labs: 123 2. No. of Computers (For Academics): 2600 3. Student Computer Ratio: 3.6:1 4. Internet Bandwidth: 1.5 Gbps 5. Digital Library: 50 Computers 6. Expenditure on Books/Journals: 15.68 Lakh
8	Extension & outreach Activities	1. No. of extension/outreach program conducted: 32 2. No. of sports and cultural events organised: 65 3. No. of awards in sports/cultural activities: 09

IQAC Members appreciate the achievement of the outcomes and given the following suggestions also.

- Dr. A.M. Kuthe, enquired about effective teaching methods implemented by the institution.
- Dr. A.M. Kuthe, some 3-4 startups must be converted into a company.
- Dr. Kuthe emphasized on increasing the number of Ph.D. faculty members which will help in publishing good quality papers.
- Mr. Pankaj Sawarkar, suggested to give a topic to students of 3rd year to prepare presentation and deliver it as a seminar.
- Dr. Vrishali Panchalwar, suggested that students' needs to be given training on Effective Power Point Presentation Preparation.
- Mr. Arpit Rahmatkar said to organise sessions of industry expert on current trends of the industry to make students ready for it.
- Dr. Vrishali Panchalwar, more practical oriented trainings to be organised. She also suggested that distinguished alumni interaction with students should be frequently arranged for inspiring the students.

4. Discussion on IQAC 2026-27 Action Plan and Finalization.

Dr. A. R. Bhagat Patil, IQAC Director presented the Proposed IQAC Action Plan for the year 2026-27 to the gathering. He requested members to give their suggestion if any to be included in the action plan.

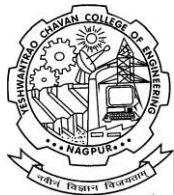


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IQAC Action Plan for 2026-27		
Functional Unit	Parameter	Planned Activities
IQAC and Director (IQAC) & Dean (Planning & Development)	Quality Enhancement & Assessment	• NAAC Accreditation Cycle 3 Preparation & Apply
		• NBA Accreditation: 02 UG (Mechanical, Electrical
		• NBA Accreditation: Preparations for - UG: CSE, IT,
		• Participation in NIRF, Data Quest, India Today
		• Establish AI Cener of Excellence
		• Update SOP, Formats as per NEP 2020 & Accreditation Agencies
		• Development of Industry Supported Labs by each department
		• Inclusion of IKS, SDG & AI related Courses and Activities.
		• Registration of all Eligible Teachers as PhD
		• Plan AAA, DLA and Financial Audits
Academic Cell and Dean (AM)	Teaching and Learning Process	• Reforms in T-L related Academic Processes
		• <u>MOU for Joint academic activities</u>
		• Curriculum Update: Major Revamp- New SoE from 2027-28
		• Start Honours with Research Programme
		• Practice T-L and Assessment Specific Innovative Methods
		• E-content development by faculty in Institute Media Center
		• Industry experts' involvement in course content delivery
	Faculty Development	• SWAYAM/NPTEL Certification by Faculty members
		• Faculty participation in FDPs on current trends organized by other than parent institute
		• Organize faculty skill enhancement workshops/trainings as per current trends
		• Institute Faculty modules on SWAYAM/NPTEL
		• All non-PhD faculty to register for PhD
	Student Development	• Organize SDP with AI orientation by the Departments
		• Value Added Courses in technology driven emerging areas
		• Mentor-Mentee Scheme (Student): Review & ATR
		• Student apprentice under Viksit Bharat/State Schemes
		• Visit of Students to Institute of Eminence/Research Labs



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		- MOOCs Courses SWAYAM/NPTEL Certification - Library Usage by Students: Track Record - Offering Industry aligned Courses in specific domains - Sports Facilities Usage by Students: Track Record
R & D Cell and Dean (R&D)	R & D Activities	- Revision of Institute Research, Startup etc. Policies - Commercialization of Patents - Increase Q1 and Q2 Journal Paper Publications - Increase in Citations - Gap analysis of non- sanctioned Funding Proposals - Identify new agencies to increase fundings - Organizing Indexed International Conferences - Indexing of Institute Journal in the reputed databases - Provision of more Seed Money for promoting research - Organize Hackathon/Ideathons/Coding Competitions - Increase Student Projects with research component
	Consultancy	- Enhanced Consultancy Revenue Generation - Development of Consultancy Facilities by the departments
T & P Cell and Dean (T&P)	Placement, Higher Studies & Training Activities	- Implement action plan based on feedback from the recruiters - Skill Based Activities as per the current industry trends - Focused efforts for placement of non-eligible - Competitive exams (GATE/UPSC etc.) guidance through clubs - Promotion of entrepreneurship related activities
Student Activity Cell and In-Charge SA	Student Activities	- Organize Technical events under Professional Societies - Organize Extra-Curricular Activities as per mapped - Student participation in major events organized by IIT's, NIT's - Organize Community Activities through Clubs under Unnat Bharat in nearby villages
Administrative office	Clean & Green Campus Environment	- Environmental Audit as per the new NAAC requirement - Develop & Use of Environment friendly facilities in Campus - Increase Use of ICT in Academic & Administrative Process



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- Dr. Kuthe said that the institute should collaborate with more other institution, tap some good professors for getting R&D funding.
- Dr. Kuthe emphasized to start usage of e-office in administration on large.
- Mr. Pankaj Swarkar suggested to do CO-PO mapping through e-office.

5. Discussion on Student Skills Enhancement as per Industry Trends

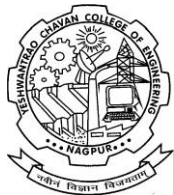
SN	Name of Skill-based Activity	Semester	Timeline	Responsibility
Computer Technology and AIDS/CSE (IoT)				
1	Training on DSA for Competitive Programming	III	Aug- Sep 2026-27	Dr. Smita Kapse
2	Workshop on WebTech Essentials: Building Modern Web Applications	III	Aug-Sep 2026-27	Dr. Ganesh Yenurkar
3	SDP on Agentic AI	V and VII	Sept. 2026-27	Dr. S. J Karale
4	SDP on Modern Full-Stack Development (React.js, Node.js, Express, MongoDB / PostgreSQL, REST APIs), System Design principles	VI	Feb 2026-27	Dr. Gendlal Vaidya
5	Training program on Low-Code to AI-Code: Automation using n8n, UiPath, GitHub and Code spaces	IV	Jan 2026-27	Dr. Roshan Bhanuse
Computer Science and Engineering/AI/ML/IT/CSD				
1	Training on DSA for Competitive Programming	III	Aug- Sept 2026	HoD CSE
2	Workshop on WebTech Essentials: Building Modern Web Applications	IV	Aug-Sept 2026	
3	SDP on Modern Full-Stack Development (React.js, Node.js, Express, MongoDB / PostgreSQL, REST APIs), System design principles	V	Nov-Dec 2026	
4	Cloud Computing & DevOps Essentials (AWS / Azure, Docker, Kubernetes, CI/CD Pipelines).	VI	Jan-Feb 2027	
5	Training program on Low-Code to AI-Code: Automation using n8n, UiPath, GitHub and Code spaces	VI	Mar-Apr 2027	
Department: Electronics Engineering/VLSI				
1.	SQL & Database Management for Real-World Applications	VII Sem	21 July 2026	Sneha Jichkar
2.	Data Structures and Problem Solving	VII Sem	25 July 2026	Rahul Kamdi
3.	Circuit Simulation Using LTspice	III&V Sem	Sept 2026	A.V. Gokhale
4.	Hands-on Digital Logic Design with Boolean Boards	V,VII Sem	Sept 2026	Pravin Zode
5.	Artificial Intelligence with Python: From Basics to Intelligent Applications	III Sem	Sept 2026	Y.A. Gaidhani



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6.	Rapid Prototyping with 3D Printing	V Sem	Oct 2026	R.S. Balpande
7.	MATLAB Essentials: Programming and Engineering Applications	III Sem	August 2026	Y.A. Suryawanshi
8.	Smart Embedded Systems: AI, IoT and Renesas Development Kit	VI Sem	Jan 2027	Ankita Tijare and T. Panse
Electronics & Telecommunication Engineering				
1.	Data Structures & Algorithms-Competitive Coding, Leet Code/Code Chef Problem Solving	III	Aug- Sept 2026	HoD, ET
2.	SQL & Database Management for Real-World Applications	IV	Aug-Sep 2026	
3.	PCB Design, Schematic Capture & Hardware Prototyping (KiCad, Proteus, Easy EDA	V	Nov-Dec 2026	
4.	VLSI Design Foundations, Verilog HDL, FPGA Prototyping, ModelSim Simulation, PLC, SCADA	VI	Jan-Feb 27	
Civil Engineering				
1.	Value added Course on “Essential in MSP with PPM concepts” by Mr. Sagar Deogirkar CADD Centre	VII	18 Jul - 1 Aug 2026	HoD, CE
2.	Value added Course on “CAD for Façade” by Er Gayatri Tijare, Lead, Alucomet	III	15-22 Sept 2026	
3.	Hands on Training on “Bluebeam review” BY Er. Shabaz Pathan, Lead, Attentive AI	V & VII	7-21 Sept 2026	
Mechanical Engineering				
1.	DSA and SQL	III	18 Jul -1 Aug 26	HoD, ME
2.	Advanced 3D Parametric CAD Modelling & Drafting (Solid Works / CATIA / Creo).	IV	Jan-Feb 2027	
3.	Finite Element Analysis (FEA) & Computational Fluid Dynamics (ANSYS Mechanical & Fluent).	V	7 - 21 Sept 2026	
4.	Robotics & Industrial Automation, CNC G-Code Programming, 3D Printing / Additive Manufacturing.	VI	Feb-Mar 2027	
Electrical Engineering				
1.	Industrial Automation & Control Systems: Siemens / Allen-Bradley PLC, SCADA, HMI Programming	IV	Jan-Feb 2027	HoD, EL
2.	MATLAB / Simulink for Electrical Power System Simulation, Smart Grids, Motor Drives.	V	7- 21 Sept 2026	



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3.	Electrical Safety, High Voltage Testing, Substation Design & Operation Workshop	VI	Feb-Mar 2027	
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- Mr. Pankaj Sawarkar, to bring real time things in academics. How to take AI help should be taught to the students.
- Dr. A.M. Kuthe suggested, knowledge sharing 70% by teachers & 30% by the industrialist for preparing better students.

6. Discussion on New NAAC MBGL Accreditation System Requirements

Addressing Parameters of New NAAC Accreditation System NAAC Accreditation

SN	Cycle	CGPA & Grade Awarded	Validity Period
1	Cycle 1	CGPA: 3.25/4, Grade: A	16 Sept. 2016 to 15 Sept. 2021
2	Cycle 2	CGPA: 3.60/4, Grade: A++	17 May 2022 to 16 May 2027
3	Cycle 3	-	Apply for Level 4: - After Launching of MBGL (Maturity Based Graded Level) Accreditation System.

- **MBGL System:** 05 Levels of Accreditation.
 - **Level 1: Basic:** Minimum Academic Standard.
 - **Level 2: Developing:** Progress & Structured Improvement across key parameters.
 - **Level 3: Established:** Stable System, Consistent Outcomes.
 - **Level 4: Advanced:** Strong Innovation & National Leadership.
 - **Level 5: Global Excellence:** International Standards & Worldwide Recognition.

A) New Parameters in Revised NAAC Accreditation System

Indian Knowledge System (IKS):

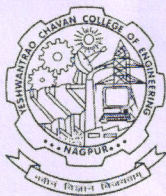
- Currently offering 07 IKS courses and included some relevant topics in 46 courses.
- Major revision of Curriculum (2027-28 Scheme), each BoS to add 1-2 more courses.

Sustainability Development Goals (SDG's):

- IQAC has identified 13 SDG's for the Institute.
- SOP for Implementation is circulated to all the functional units of IQAC.
- The relevant activities are mapped to identified 13 SDG's.

Sustainability Development Goals given by the United Nations.

SDG'S	Details	SDG'S	Details
SDG 1	No Poverty	SDG 10	Reduced Inequalities
SDG 2	Zero Hunger	SDG 11	Sustainable Cities and Communities
SDG 3	Good Health and Well-being	SDG 12	Responsible Consumption & Production
SDG 4	Quality Education	SDG 13	Climate Action
SDG 5	Gender Equality	SDG 14	Life Below Water
SDG 6	Clean Water and Sanitation	SDG 15	Life on Land
SDG 7	Affordable and Clean Energy	SDG 16	Peace, Justice and Strong Institutions
SDG 8	Decent Work & Economic Growth	SDG 17	Partnerships for the Goals
SDG 9	Industry, Innovation & Infrastructure	-	--



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OBE (Outcome based Education) implementation:

- OBE process is aligned as per 11 PO's (Program Outcome) given by NBA.

A) MBGL Level 4: Strong Innovation & National Leadership

Strong Innovation Requirements:

Research and Innovation Ecosystem: Incubation Centre, Startups, Centre of Excellence, Number of Research Centres, Number of Research Labs., Industry Supported Labs, Research and Innovation Policies/SOPs, Collaborations with Industry/Academic/Research Organizations, Innovative Projects.

Research Credentials: Research Papers Published, Citations, Books Published, Patents (Granted/Published), Commercialization of Patents, Number of PhD qualified faculty, Number of Approved PhD Supervisors, Number of Scholars Pursuing PhD, Number of Scholars awarded Ph.D.

Funding & Revenue: Funding Received, Consultancy Revenue Generated, Seed Money provided.

Student Centric T-L: Practicing Innovative T-L Methods, Adoption of ICT in T-L, e-Resources & its Access, Evolving Curriculum as per requirements of Industry and Society.

Adoption of e- Governance in Academic and Administrative Processes

7. Any other matter with the permission of the chair.

- Mr. Arpit Rahmatkar suggested to Establish Postmaster Communication Club.
- Mr. Pankaj Sawarkar suggested using of real time simulators.
- Dr. Kuthe, VNIT, suggested to encourage reel making.
- Mr. Prashant Sawarkar suggested to improve chip level programming.
- Mr. Arpit Rahmatkar suggested to develop awareness among students to know about recruiting company.
- Mr. Masudur Rahaman, student representative suggested that in CRT, DSA should be focused.
- Dr. A.M. Kuthe, to start ecosystem in startup.
- Mr. Mohit Tirpude, student representative requested that in NPTEL courses students should have a choice of their interest.

Dr. U.P. Waghe, Chairman IQAC assured that whatever the valuable suggestions given by the Members will be taken seriously and implement for the betterment of the students of the institute.

Since there was no other point for discussion, the meeting concluded with a vote of thanks to the Chair.

Dr. A.R. Bhagat Patil,
Director IQAC,
YCCE, Nagpur

Dr. U.P. Waghe,
Chairman, IQAC,
YCCE, Nagpur