Yeshwantrao Chavan College of Engineering, Nagpur

Internal Quality Assurance Cell (IQAC)

The meeting of the Internal Quality Assurance Cell (IQAC) of Yeshwantrao Chavan College of Engineering, Nagpur is schedule on **Friday**, **2nd July**, **2021 at 2.00 pm at** in YCCE Board Room.

Agenda of the Meeting:

- 1. Welcome of New IQAC Members
- 2. Confirmation of MoM of 26 March 2021 IQAC meeting
- 3. Discussion on IQAC / DQAC 2020-21 Annual Report
- 4. Any other matter with the permission of the Chair

You all are requested to make it convenient to attend the meeting on the aforesaid date & timings.

Sd/-Coordinator IQAC Prof. A.R. Bhagat Patil Dean, (Planning & Development) Sd/-Chairperson IQAC Dr. U. P. Waghe *Principal, YCCE*



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Minutes of Meeting

Date: 3rd July 2021

Minutes of the Internal Quality Assurance Cell held on Friday, 2nd July, 2021 at 2.00 pm at Board Room, YCCE. The following IQAC member attended the meeting –

- 1. Dr. U.P. Waghe, Chairman,
- 2. Dr. Mrs. M.M. Kshirsagar, Principal, RGCOER & Member from Management
- 3. Dr. A.R. Bhagat Patil, Member Secretary
- 4. Mr. Deepak Deshmukh, Member from Industry
- 5. Dr. A.V. Patil, Sr. Administrative Officer
- 6. Dr. P.K. Dakhole, Sr. Administrative Officer
- 7. Mr. C.V. Wazalwar, Sr. Administrative Officer
- 8. Dr. P.L. Zade, Sr. Teacher Member
- 9. Prof. D.R. Raut, Sr. Teacher Member
- 10. Prof. A.B. Thatere, Sr. Teacher Member
- 11. Dr. A.M. Pande, Sr. Teacher Member,
- 12. Dr. Aniket Munshi, Sr. Teacher Member

Leave of absence granted to:-

- 1. Mr. Atul Gupta, Member from Industry
- 2. Dr. D.P. Mase, Alumni Member
- 3. Ms. Sanjana Gundawar, Student Member

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

Agenda points:-

1) Welcome to IQAC Members :-

Dr. U.P. Waghe, Principal & Chairman, IQAC, YCCE welcomed the members of IQAC for this 8th IQAC Meeting.

2) Confirmation of minutes of the IQAC Meeting :-

It was informed that the minutes of the meeting held on 26th March 2021 were circulated to all the members of IQAC, requesting them to suggest modifications/corrections, if any. Since no comments received from the IQAC members, it was unanimously confirmed by the members.



Nagar Yuwak Shikshan Sanstha's Yeshwantrao Chavan College of Engineering

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The action taken report on actionable points of the last meeting of IQAC held on 26th March, 2021 was placed before the IQAC members by Dr. A.R. Bhagat Patil, Member Secretary, IQAC :-

Actionable Points	Action Taken
Dr. U. P. Waghe requested that 1) All the departments should conduct	Mechanical, IT, CT, Electrical Engineering departments organized the Virtual Industrial Visits
Virtual Industrial Visits/Tours in view of pandemic	for the students.
2) Ensure the completion of final year student's projects and thesis report as per the guidelines	All the final UG & PG students' projects internal and external are evaluated by the Panel of faculty members & external examiner's through online platforms and softcopies of the thesis and 2-3 hardcopies were prepared.
3) The review by HoD's of assigned AWL 2020-21 targets to the faculty members before final Annual Audit	Internal review is conducted by all the departments and AWL 2020-21 Annual Audit by the Audit Committee is scheduled in the last week of July
Dean (AM) expressed the need of some changes in the attainment process in view of paper patterns for online examinations.	The guidelines are given by the Dean (AM) to the departments. He also informed that in view of automation software under development phase will be tested for the sample data of the one of the department. He informed that the training sessions of the software modules by Vendor to the faculty members are organized.
Awareness of updations in all the relevant student and faculty research policies to all the concerned.	Director (R&D) informed that the updated policies are mailed to all the concerned and same are also made available on Research Portal.

With these observations IQAC members accepted the Action Take Report.

3) Discussion on IQAC / DQAC 2020-21 Annual Report :-

Based on IQAC/DQAC 2020-21 Annual Report (from 1st July, 2020 to 30th June, 2021), Dr. A.R. Bhagat Patil, Member Secretary, IQAC briefed the summary of IQAC Annual Report about various quality assurance initiatives implemented in session 2020-21.



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IQAC/DQAC 2020-21 Annual Report - Outcomes & Action Taken

	Particulars	Outcome
Quality	 Submission of pre- Qualifier for NBA Accreditation of UG Program CT & PG Program Structural Engineering 	It has been decided to submit the per-qualifier before 30 Oct 2021 and ensure the committee visit before Feb-March 2022.
Assessment & Accreditation	 Preparation of SSR for 2nd cycle of NAAC Accreditation 	The draft SSR is prepared and reviewed by all the concerned Deans. The suggested changes are to be incorporated.
	· External AAA Audit	External AAA Audit was conducted on 12 May 2021 in online mode. The Expert were Dr. O.G. Kakde – IIIT, Nagpur, Dr. A.G. Keskar – VNIT, Nagpur, Dr. N.C. Shivaprakash – IISc, Bangalore. The committee submitted the detailed report.
	Implementation of Quality initiatives (AWL, DLA, CRT, VPS, PQAI, etc.)	 AWL 2020-21 Audit is planned in the last week of July 2021. DLA 2020-21 is planned to be completed before 15 August 2021. CRT is conducted during
	Periodic Audit of online Class engagement to ensure the proper T-L Process	
	The student support center to address the students issues in the online mode	 The team of faculty members & Student Activity In-charge addressed the issues in timely manner.



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	 Functional MoUs with industry 	• 32 (Institute/Dept./T&P)
	Faculty Qualification	· 07 (Awarded PhD)
Faculty	Improvement	
Development	 Participation of Faculty in STTP/FDP 	· 231 (Attended)
	,	· 51 (Certification)
	· SWAYAM/NPTEL	⁷ 51 (Certification)
	Certification	
	• Consultancy by the	Consultancy Amount Received:
	Departments	43 Lakhs
Faculty	,	ved a grant of Rs.93000/- from AICTE
Recognition &	0	my (ATAL) for Organizing Faculty
Achievements	Development Programme (FDP) o	on High Performance Computing
	 organizing STTP. Dr. Ms. U.H. Gawande, Asso. Technology: Reviewer of - IEEE Access Reviewer of IET Journal Reviewer of American Journal Reviewer of European Journal Reviewer of The paper "Blobook titled "Security and Privational Journal Francis. Reviewer of International Journal Journal Computing and Communication Microsoft Academic Reviewer of International Journal Journal Journal Microsoft Academic Reviewer of International Journal J	of Engineering Research and Science ckchain Architecture for Securing IoT", acy in the Internet of Things", Taylor and rnal on Recent and Innovation Trends in on (IJRITCC) ISSN: 2321-8169 Indexed in nal of Big Data Intelligence (IJBDI) fessor, Department of Electronics & received Rs.1,35,000/- (from NYSS) as itai Meghe Hospital, Wanadongari, A obile operated food trolly, 2) COVISAFE, I 4) Fogger. Department of Mechanical Engineering nder AICTE AQIS scheme for the project



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	received the grant of Rs.2,84,667 /- for o by AICTE Delhi. Dr. S.S. Chaudhari and Prof .A .P. Department the grant of Rs.2,80,000 /- Development Programme (TEDP) throu Patent has been granted to Dr. Shubhan	gi Rathkanthiwar, Professor, Department f patent is 'OFDM Transceiver with Self- ment of Electronics Engineering has
Student Development	 Organization of various Student development activities under Professional Societies Guidance for Competitive Examinations 	 Event Organized:84 Expert Lectures : 21 through GATE Clubs
	· Student Joint Projects/Events	· No. of Projects: 55
	 Industrial Visits Organized 	15 Virtual visits (Amazon Transportation Services Hyderabad, Nagpur, Metro, Virtual visit at ICAR - Citrus Research Institute" at Nagpur, Palkar Indusries Mineral and Metal Testing services etc.)
	 No. of MOOC Courses offered by Department 	• No. of offered Courses: 05
	Recording of faculty course lectures:	 100% Teacher's Course Video Recording
	 Student Placement & Carrier Guidance 	 Campus Placement: 814 Carrier Guidance Programs Organized: 22
	National Level UG Project Competition	PRATIKRUTI-20 – National UG Project Competition is cancelled due to pandemic.
	Enhancement of Employability/ Entrepreneurship/ Skill Development	 Regular Courses offered with focus on: 335 Value-added Courses



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	Student Achievements	Prachiti Masram, Rutuja Kshirsagar, Aditya Nagulwar, Received first position in Environmental Category in The National Conference on Recent Trends in Civil Engineering (RTCE -2021), Organised by Shri Ramdeobaba College of Engineering and Management, Nagpur dated 11-13 February 2021
		Ms. Anubhuti Gupta, Received Best Paper award for presentation in technical session in International Conference on "Recent Advances in Civil Engineering for Sustainable Development (RACESD-2021) (Publish in Taylor and Francis), Organised by Department of Civil Engineering Maulana Azad National Institute of Technology (MANIT) Bhopal, MP, dated 13-14 February 2021
		Sejal Bhoyar Received First Prize in District level essay writing competition Organised by Teacher association, Chandrapur, dated 1st August 2020.
		Anjali Gabhane Received 3rd consolation prize in National level Article writing competition Organised by Priyadarshani collage of engineering, Nagpur, dated 05 September 2020.
		Bhavesh Mishra Acquire Runner Up in War of Words Organised by Rotract club of PCE, dated 09 September 2020.
		Vikram Dhanraj Ingle, Pranita fating Received First Prize in MECHMERISE 2K20 (Rejuvenate 4.0) Organised by St. Vincent Pallotti college of Engineering, Nagpur dated 26 th October 2020.
		Bhavesh Mishra Received Goldmedal in Tug of war, Bronze medal in Debate competition in Organised by NCC, VNIT campus Nagpur dated 22- 26 February 2021.
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	· Ph.D. Research Centre	· Recognised Research Guides: 37
	The rescurence centre	(YCCE Teachers)
		YCCE Faculty Awarded PhD: 07
	 Project Co-guides from Research labs 	· 06 (Co-guides)
	 Thrust Areas Specific Activities: 	· Publications: 173
	Publication, STTPS/FDP/SDP/ Training	• FDP/SDP Organized: 158
	· Proposals Submission to funding	· Proposals Submitted: 10 Cr.
R&D	agencies	 Funds Received: 31L
Activities	Workshops/Seminars conducted on Research Methodology, IPR, entrepreneurship and skills development	93
	· Incubation Center Activities	Startups commenced: 09
		 Incubation ideas submitted:11 (by Departments)
	· Patents and Copyrights	Patent+ Copyrights: 103
Institute-	 Industry Experts involvement in 	 Industry Expert Guest Lectures: 58
Industry Interaction	development activities	 Resource Person for FDP/ STTP, CDW: 61
	 Industry Linkages through 	 Students Internship: 270
	Internship & Visits/tours etc.	 Visits to industry: 36
	 Industry Aligned Courses offered 	• 05: CT: 02 (ISF, EIT), EE: 01 (Analog
	by department	VLSI Design), ME: 01 (Pipe Design), EL: 01 (Electric Vehicles),
	· Centre of Excellence in the	AI & ML CoE is started in CT
	Department	Department.
	 Industry Supported labs. 	 CT: Internet of Things ME: High Pressure Hydraulics Lab with Minar Hydrosystems Pvt. Ltd.



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Interaction with	 Management Interaction with students 	• Cancelled due to Pandemic
Stakeholders	 Alumni involvement in dept. activities 	 Alumni Involved:62 Alumni Meets: 03
	Parent Teacher Meets	 Organized as per academic calendar in online mode.
Extension Activities	NSS Club of YCCE in association with organised on the special occasion of D was to feed needy peoples and to sprea biggest event for both the clubs as they f places of Nagpur. YATHOGATHA :- YATHOGATHA by NSS Club of YCCE on 15th August 24 The main purpose of the event was f contribution towards our nation and to in the safety of nation. ARPAN :- A Notebook Donation Drive 2nd Oct 2020 on the occasion of Gandh was to help needy students by donating in collaboration with the NGO - The C with Z.P Primary School, Mohgaon for t The SANITARY PAD DONATION DI NSS Unit of YCCE on 24th January 2021 The main purpose of the event was to n the girl child and to focus on the untold, THE CLEANLINESS DRIVE was succes 21st Feb 2021 at Shivaji Krida Mandal G purpose of the drive was to introdu importance of cleanliness and to awake nature. The event was held with the col many clubs were joined. Mask, saniti	Donation Drive was on 24th Oct 2020 by n the NGO - The Creator's Club. It was bussehra. The main purpose of the event ad message of mankind. It was one of the feed more than 1000 peoples from various salaam-e-hindustan event was organized 020 on the occasion of Independence Day. to thank our real heroes for their great thank all those who contributed their life was organised by NSS Club of YCCE on hi Jayanti. The main purpose of the event g books, pens, pouches, etc. The drive was reator's Club. NSS YCCE were in contact this donation drive. RIVE was successfully organised by the on the occasion National Girl Child Day. hake the society aware about the nicety of



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Initiatives for	Tree Plantation	
Eco-Friendly	 Solar Energy usage through panels on the roof of buildings 	
Campus	Automation of Academic Processes	
	Save Water & Electricity	
Major Quality	Starting of new generation UG Programs in four branches.	
Decisions	Minor & Honors Degree scheme started	
taken by	Certification courses to be offered by departments.	
Statutory		
Bodies		
Innovative	Think pair share, Flipped classroom, Peer tutoring, Open book test, Concept	
Methods used	visualization, Game based learning, Group Assignment, Project Based	
by	Learning, Assignment on designing a small animation sequence Design	
departments in	thinking, Group Chart Preparation, Demonstration of model, Online question	
Teaching &	answer session, Poster preparation and demonstration, NPTEL Assignment,	
Learning	Role play, Code Relay, Cooperative learning, Simulation tool, Experiential	
	learning, Case study, Brain Dumps, Mind Maps, Software based learning, Field	
	visit, Online Survey, Model based learning, Class summary, Presentation of	
	topics through charts, Students Seminar, Concepts learning through	
	Numerical, Shadow teaching, Concept visualization, Exposition	
	(comprehensive method of presentation), Workbook activity.	



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4) IQAC Annual Action Plan 2021-22 for Institute & DQAC's

	IQAC/DQAC Action Plan (2021-22)			
Quality	2nd cycle NAAC Accreditation of YCCE			
Assessment &	NBA Accreditation of CT (UG) & PG Structural Engineering			
Accreditation	Autonomy Extension of YCCE			
	Participation in NIRF and ARIIA			
	 Implementation of initiatives (AWL, DLA, CRT, VPS, Mentor-Mentee, 			
	PQAI, Project Mentors, innovative T-L methods)			
	 Internal Quality Review (IQR) Meetings with management every quarter 			
	 Increase the internet bandwidth in view of online teaching & events 			
	 SWAYAM/NPTEL Certification by Faculty 			
Faculty	 Permission to the Faculty for pursuing higher education 			
Development	Teachers registration as PhD supervisors			
& Initiatives	Participation of Faculty in STTP/FDP/Workshops			
	 Consultancy by departments as per assigned targets to fulfil the requirements of NAAC/NIRF/NBA 			
	 Faculty Recognition, Achievement 			
	Faculty Lecture Video Recording: Google Classroom			
	Establishing New Centre of Excellence (AI & IoT)			
Student	 Organization of various Student Development Activities under Professional Society Chapters, Value Added Courses 			
Development	Revision of faculty & student SOP/Policies			
& Initiatives	Guidance for Competitive Examinations through GATE Clubs etc.			
	Visit of Students to Institute of Eminence/Research Labs			
	Development of e-Resources: Question Banks & Solution Sets			
	Practicing Innovative Methods in Teaching and Learning			
	SWAYAM/NPTEL Certification by Students			
	MOOCS Courses to be offered by the department			
	New language (German) to offer			
	Workshops on Industry-Academia innovative practices &			
	Entrepreneurship			
	 MOOCS Courses to be offered by the department 			
	 Offering Industry Aligned Courses/Research Organization aligned courses 			
	 Carrier Guidance (CRT, Mock Interviews, Aptitude Tests etc.) 			
	 Students performance in Sports & Cultural Activities 			
	 Quality Paper Publications in SCI,SCOPUS, Web of Science Indexed Journals and Conferences 			
R & D	 Increasing paper citations count & papers with i10 citations 			
Activities	Workshops/Seminars on IPR			
	Book/Book Chapter and Monograph Publication			
	Patent & Copyright Proposal Submission			
	Submission of Proposals to Funding Agencies			



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	Faculty/Students visits to Research Institutes/ Industries			
	 Startups ideas incubation in Incubation Center 			
	 Increasing PhD scholars registration under supervisors 			
	· Teachers recognition as PhD supervisor			
	Full time PhD in YCCE			
	Research Lab Linkages for Collaborative Research/Joint Projects			
	Industry involvement in development activities			
Institute-	(Co-guides for Projects, Joint Projects, Joint Publications, Resource Person for			
Industry	CDW, FDP/STTP, Syllabus Content Delivery)			
Interaction	Industry Linkages through Industrial Tours/Visits etc.			
	Offering Industry Aligned & Open Elective Courses			
	Centre of Excellence in the departments			
	· Industry supported labs. establishment			
	Industry based training programs for students			
	Interaction of the management with the Students			
Interaction	Alumni Meet & Alumni involvement in department activities			
with	Parent Teacher Meet as per academic calendar			
Stakeholders	Interactions with Recruiters/Employers			
	More no. of Extension & outreach activities with increase students			
Extension	participation under NSS			
Activities	 Video recordings of events and Geo-Tagged Photos are to be maintained 			
	Blood, Book/Cloth Donation Camp			
	Orphanage Visit			
	Participation of students in University sports activities			
Initiatives for	Green Measures: Tree Plantation, Rain water harvesting			
Eco-Friendly	Installation of Energy Conservation Devices in the Campus			
Campus	Automation of Academic Processes			
	 Starting new generation UG/PG Programs in YCCE 			
	 Establishing separate department for CSE 			
Other	• ESE Result declaration within 15 days from last date of exam.			
Activities	Critical analysis of online Student Feedback, ATR display for information to			
	Stakeholders.			
	 Targeted efforts for Student Campus Placement with good salary package & placement of non-eligible students 			
	 New MoU's with national/international recognized bodies with activities. 			
	Feedback from Employers & Alumni and other stakeholders in view of new			
	education policy related inclusions in the Curriculum, its detailed			
	 Strengthening the IRO Activities (Collaborative, Student Support etc.) 			
	 In the survey conducted by DATAQUEST T-School Ranking 2021 and the result declared in the edition of March 2021, Yeshwantrao Chavan College of Engineering is overall ranked 35th in all India ranking amongst engineering colleges including IIT, NIT, Govt. & Self Finance institutes. In the survey YCCE is also ranked 24th 			
	amongst Self Finance institutes in India and ranked 6th in West Zone region.			



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5) Suggestions by Honorable members

- Shri Deepak Deshmukh, Member IQAC suggested to discuss all the challenges in detail regarding the preparation and submission of SSR to NAAC for accreditation of Cycle II in view of pandemic situation.
- Dr P K Dakhole, Registrar and Admission Committee Head expressed the need to make efforts for publicity of new generation courses offered from 2021-22 session.
- Dr A R Bhagat Patil Dean (Planning & Development) expressed a need of revision of KRA's of functional heads in view of proposed changes in further decentralized administrative setup from session 2021-22. He requested all the coordinators/organizers of the activity/events should ensure the geo-tagged color photos of all the events at institute and departmental level to be included in the report of the events.
- It has been decide that the Director (R&D) to put efforts to speed up the process of PhD Students registration process as per the new directions of RTM Nagpur University. All PhD faculty members of YCCE will submit applications to RTMNU for recognition as PhD Supervisors.
- Dean (AM) said that the CO-PO attainment from 2021-22 odd semester ESE will be done using the OBE software.
- Prof. D R Raut, CoE expressed the need of every evaluator to complete the answer sheet evaluation strictly as per the given schedule to avoid last minute rush for result preparation so as to declare the results within 15 days as decided.
- Dr. Aniket Munshi Student Activity Incharge said that due to pandemic most of the student activities are planned in online mode. The departmental technical events are also planned in online mode.

6) Any other matter with the permission of Chair :-

Chairman IQAC informed that in view of the completion of 2 years membership period of some members of the IQAC, there is a need to reconstitute the IQAC for the session 2021-2023. All the IQAC members unanimously authorized the IQAC Chairman Dr. U P Waghe to reconstitute the IQAC as per the guidelines of NAAC.

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

Sd- Around

Dr. A. R. Bhagat Patil, Member Secretary/Director, IQAC, YCCE, Nagpur. Dean (P&D), YCCE



Sd/-'

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

Principal Yeshwantrao Chavan College of Engineering Wanadongri Hingna Road, NAGPUR - 441110