



Shri Aillak Pannalal Digamber Jain Pathashala's

WALCHAND INSTITUTE OF TECHNOLOGY

Seth Walchand Hirachand Marg, Ashok Chowk, Post Box No. 634, SOLAPUR - 413006.

- Accredited by **NAAC A+ Grade**
- Accredited by **NBA, New Delhi** for Civil Engineering, Mechanical Engineering, Electronics Engineering, Electronics & Telecommunication Engineering.
- Winner of AICTE-CII Survey 2013, 2014 & 2018 Award for Best Industry-Linked Institute.
- Recognized by AICTE, New Delhi and permanently affiliated to **Punyashlok Ahilyadevi Holkar Solapur University, Solapur.**

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IQAC-10
06/02/2020

Minutes of the Tenth Meeting held on February 6th, 2020

Tenth Meeting of the Committee Constituted for Internal Quality Assurance Cell was held in Conference Room on February 2nd, 2020 at 4.00 P.M. under the Chairmanship of Dr. S.A. Halkude, Principal of Walchand Institute of Technology, Solapur.

Below members were present for the meeting

Sr. No.	Name
1.	Dr. S. A. Halkude
2.	Mr. K.S.Patil
3.	Mrs. V.R.Karkamkar
4.	Dr. B.B. Deshmukh
5.	Dr. M.G. Kalyanshetti
6.	Mr. P. S. Malge
7.	Dr. Ms. A.V. Thalange
8.	Dr.(Mrs.) P. S. Yalagi
9.	Dr.(Mrs.) A. M. Pujar
10.	Mr. M. S. Basargaon
11.	Dr. Ranjeet H. Gandhi
12.	Mr. B. V. Shah
13.	Mr. P. A. Shah
14.	Ms.Piyusha S. Junavane
15.	Mr. Sham S. Yemul
16.	Mr.Sagar Deshpande
17.	Dr. S. R. Gengaje

At the outset Dr. S.A. Halkude welcome all members and explained the aims and objectives to all members. He also welcomed Dr. Ms. A.V.Thalange. Thereafter, the agenda items were taken up for discussions with the permission of the Chair.

ITEM NO. 1

Minutes of the last Meeting held on 12/10/2019

Minutes of the meeting held on 12-10-2019 were read and confirmed.

ITEM NO. 2

Teaching-Learning Process

To seek continuous improvement in T-L process and inculcation of lifelong learning following has been done

2.1 Innovation in Teaching Learning

The ET experiments towards Innovations in Teaching-Learning are continued with introduction of some additional instructional strategies and ICT tools in second semester.

2.2 Creation of LCM

All faculty members have continued creation of Learner Centric MOOC (LCM). It is planned to create 5 new videos towards course contents, for the courses taught by faculty members at E-learning centre. Through this exercise, 690 videos are created in semester-1. It is scheduled to create e-course contents @700 videos of average duration of 12 minutes for semester-2, out of which 450 videos are created and remaining videos are expected to be ready by end of March, 2020. Satisfaction was expressed by many as these videos are viewed by outside students. Till date, the total views for these videos are 1032426 and 7095 have subscribed. The comment observation was discussed to improve the quality of e-content.

2.3 Self learning to inculcate Lifelong Learning

The Self learning ability of the students is being nurtured by making them to enrol for various courses available on MOOC platform.

During the 1st semester, out of 2984 registered Students for 208 NPTEL courses,1511 students appeared for the NOC examination and 1442 students successfully completed the courses with Gold, Silver and Elite certificates resulting in a success rate of 95 along with 27 National level Top Performers.

Moreover, NPTEL course credit transfer is implemented by PAH Solapur university and a total of 567 no. of Third Year Engineering students were given the benefit of credit transfer for Self Learning-I (HSS) subject .

During 2nd Semester 2433 Students have registered for examination for 215 courses at our NPTEL local chapter.

2.4 Problem based/Project based learning (PBL)

To provide an exposure to various real time/societal problems, the following have been undertaken to make students better professional

- Enhanced students' learning through PBL.
- Encourage the use of various platforms such as HackerRank, HackerEarth etc. for improving problem solving skills through programming

One programming competition was organised on Hacker Earth Platform. 208 students participated in this competition showing improvement in exposure to real time problem. Presently @600 students are using HackerRank, HackerEarth platform for having exposure to PBL.

- Witchar 2020-National Level Technical Symposium

National Level Technical Symposium WITchar is scheduled on 20th & 21st March 2020. 30 events such as Energy Contraptions, Electron Mechanics, Catia Champs are planned which will motivate students to enhance their skills. Also it has been decided to introduce 24 hour coding Hackathon event in National level Technical Symposium WitChar-2020 to give more exposure on problem solving skills.

- Participation in various Hackathon

➤ SIH 2020 Round-I was conducted at institute level where 14 teams participated, out of which entries of 7 teams have been nominated for SIH 2020 Round-II.

- Facilitate & encourage students to select Industry & societal relevant Projects.

Students are working on 26 industry sponsored projects.

- **Employability Enhancement**

- **Training & Placement**

➤ Daily One hour training for employability enhancement of students has been continued for all SE, TE, BE students.

➤ Special training on programming in Python by in house faculty & industry experts are arranged to improve quality placements through InfyTQ / HackwithInfy, TCS Ninja / Codevita competitions for all the students, where expertise of Python is essential.

Nearly 415 students benefited from training.

➤ RPG foundation

83 students from third year and 4 faculty members received training from RPG foundation experts.

➤ Up to January 2020, 13 companies visited campus for placement. To mention, some of them are Infosys, Atlas Copco, Bharat Forge, Cognizant, TCS, Wipro & Persistent. Till January 2020, 242 students have been successfully placed.

- **Student Internship**

Focus to enhance students' internship with stipend. Also it is proposed that efforts shall be taken to have online internships during ongoing semester.

In addition to onsite internship during vacation, 88 students have undergone online internship concurrently with academics. Most of the third year UG students will go for onsite internships in June 2020. Accordingly opportunities are being searched for them.

2.5 Assessment of students Learning Outcome (COs,POs & PSOs) & Corrective measures, if any

Assessment of students learning is a continuous process. Assessment of students Learning Outcome shall be done program wise at department level.

ITEM NO. 3

Faculty and staff Development

3.1 Qualification Upgradation

One faculty member from Mechanical Department has been awarded a Ph.D. degree Now, 37 faculty members are having doctorate degree & 26 other faculty members are pursuing Ph.D. at various universities. 08 faculty members are in a process to seek registration by appearing for various university entrance examinations for admission.

3.2 Faculty Competency upgradation

The department has prepared comprehensive faculty competency development plan and accordingly systematic approach to attain it through various FDP/STTP/Workshop/MOOC courses throughout the year. In this context, till date 230 course certifications are done by faculty members. During 1st semester 93 faculties had enrolled for 37 unique NPTEL courses. In this semester, 72 faculty have enrolled for various courses.

NPTEL SPOC Mr. Vipul Kondekar felicitated at IIT Madras. He accepted Felicitation, Plaque and Certificate on behalf of WIT. Also the performance and best practices implemented at WIT were very much appreciated.

The faculty members Ms. Sunita Milind Dol and & Mr. Nikhil Shivkumar Gajjam were recognized as the Star Performers from the Local chapter for Jul-Dec 2019 Session.

One faculty member Mr. PSr Patnaik have done Google Cloud course certification and certified as "Associate Google Cloud Engineer".

3.3 Research & Development activities

- Faculty members shall carried out R&D activities through funded & collaborated research by applying to various govt. / non govt. funding schemes, sponsored projects and consultancy.

The work of two AICTE funded major projects of 3 years duration is going on. Additionally 124 industry collaborated research / consultancy are undertaken out of which 99 are completed.

- Three new proposals were submitted on AICTE portal.
- During first semester 24 research papers are published in various journals & conferences.
- Till date revenue of Rs. 17,79,442/- is generated through Testing & consultancy services.

3.4 Skill up gradation of Technical Staff

36 technical staff successfully completed 3 courses : Libre Office Suite Writer, Libre Office Suite Calc, Libre Office Suite Impress.

ITEM NO. 4**Facilities Enhancement**

To enhance facilities for making facility industry 4.0 competent –

- The additional 50 AIOs has been purchased.
- On study of various cloud services, it is recommended to opt for Amazon Web Services (AWS) .
- Commencement of process of updating the Machine shop through procurement of CNC & VMC . The quotations are called for procurement of CNC & VMC.

ITEM NO. 5**Quality Assurance initiatives****5.1 Annual Academic Audit**

The findings of AAA were placed before respective DABs for discussion & necessary corrective action. The department shall take corrective actions finalised in DAB meeting.

5.2 Participation in various institute evaluation surveys

Institute shall participate in various Govt./non Govt. Surveys like NIRF, AICTE-CII survey for “Best Industry Linked Institute” and other surveys for quality assurance and as a brand building exercise.

Institute have participated in

- AICTE-CII survey for “Best Industry Linked Institute”

Institute is invited for face-to-face interactions for programmes Civil Engineering and Allied, Computer &IT Engineering and Allied, and Mechanical Engineering and Allied. Institute also ranked in Platinum in a score band more than 30 .

- NIRF Ranking Survey

Result is awaited.

- AICTE Clean & Smart Campus Award survey.

Institute awarded for the "Best Practices" followed in the institution in Clean & Smart Campus Awards-2019

5.3 Feedback from all stakeholders

It is decided that comprehensive feedback from all stakeholders shall be collected and analyzed. The findings of this feedback shall be used for overall improvement in curriculum design, T-L process, facilities and design & delivery of content beyond the syllabus.

Apart from these regular surveys, a Students Satisfaction Survey was conducted as per the guidelines of NAAC. The questionnaire for this survey was designed based on the various educational aspects suggested by NAAC. More than 90% of the UG, PG and doctoral students participated in this feedback. The outcome of the feedback is discussed in this meeting and plan of action for improvement is decided.

5.4 Accreditation

- **NAAC:**

The work of AQAR preparation is going on & will be submitted by End of this month.

- **National Board of Accreditation (NBA):**

The departments are making effort to be compliant with the observations made by evaluators. On approval of prequalifier for UG programmes namely Computer Science & Engineering & Information Technology, The Self Assessment Report (SAR) is submitted on 08th Jan 2020. We have communicated 5 slots for visit: 21/02/2020, 28/02/2020, 06/03/2020, 27/03/2020, 17/04/2020 to NBA. The programme heads & faculty are preparing for the visit of NBA for accreditation.

5.5 Autonomy

An application for grant of Autonomy is submitted to UGC on Portal on 4th Nov., 2019. As well as a hard copy is submitted to UGC & P.A.H. Solapur University for forwarding the copy to UGC.

Till date no communication is received from UGC in this regard. It is decided to take a follow up for scheduling expert committee visit for on spot inspection of college for grant of fresh autonomous status. All the programme heads are advised to prepare their Board of Studies for curriculum design for implementation as an autonomous institution.

Review of all key activities are taken by committee members.

On the basis of the review of various strategic key activities, it is observed that following areas needs attention for improvement.

Sr. No.	Key Activity	Remark
	Up gradation to Ph.D. qualification	08 faculty members are appearing for various university entrance examinations for admission. The no. should be increased More Faculty Members will be encouraged to register for Ph.D. qualification.
	Faculty Competency through FDP/Workshop	Faculty competencies through various FDP/STTP/Workshop/MOOC are satisfactory & continue the same.
	Faculty members to prepare & submit a proposal for research grant	Three new proposals are submitted to AICTE. More focus is required on submission of proposals to various Govt./Non govt. agencies for grants.
	Quality Research Publication	Increase the no. of research publications in Scopus indexed journals/conferences.
	Employability Enhancement Training	Trained for employability enhancement is satisfactory & shall be continued. Focus on additional efforts to bring new companies to campus various types of interactions.
	Creation of e-course content for blended T-L process	No. of videos, Views & subscribers are increasing. Now more focus shall be on quality content.
	Focus on emerging areas/Technologies for marching towards Industry 4.0.	Focus to have facilities compliant to Industry 4.0. As suggested by AICTE, honors degree in emerging area in the various existing UG offerings shall be introduced.
	Review of activities of centre/s of Excellence	Centre of Excellence are functioning well and various activities are carried out under them.
	Regarding establishing Pre-incubation centre and Incubation Centre	Interact with various industries to have start-ups.

ITEM NO. 7**Any other subject with permission of the Chairman.**

The meeting concluded with coordinator thanking all the members for their presence and active participation.



Principal
Dr.S.A.Halkude



Co-ordinator
Dr. S.R. Gengaje



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Internal Quality Assurance Cell

Action taken Report on meeting held on 06-02-2020

Item on Agenda	Description	Action Taken
2.1	Innovation in Teaching Learning	During second semester 12 instructional strategies & 10 ICT tools are employed. As an outcome of these innovations 6 research publications in Education Technology are published.
2.2	Creation of LCM	All faculty members have created partial Learner Centric MOOC (LCM). During Second semester, 586 videos of average duration of 12 minutes are created.
2.3	Self Learning to inculcate Lifelong Learning	<ul style="list-style-type: none">• During second semester 2433 Students have registered for NPTEL examination.• @ 90 students completed "Google cloud Computing Foundation Course "offered by NPTEL & Google.
2.4	Problem based/Project based learning	<ul style="list-style-type: none">• Coding/programming tests were organised on WIT HackerEarth. On an average @150 students have been participated.• Seven entries are sent for Smart India Hackathon- 2020 round-II.
2.5	Employability Enhancement	<ul style="list-style-type: none">• The daily One hour training for employability enhancement of students is continued for all SE, TE, BE students. Nearly all Second to final year students are beneficiaries.

		<ul style="list-style-type: none"> • Nearly 415 students benefited from special training from the InfyTQ and HackwithInfy perspective. • 14 students are recipient of credits and completed "Google Career Readiness Program" offered as courser specialization course. • 48 students are doing internship with stipend. During internships students' stipend is performance based which varies from Rs. 2000/- to Rs. 20000/- per month. • 164 students have undergone online internship simultaneously with academics in addition to onsite internship during vacation.
3.1	Faculty Qualification Upgradation	One faculty member from Mechanical Department has been awarded Ph.D. degree and defence of one more faculty member is awaited.
3.2	Faculty Competency upgradation	<p>Faculties participated in various FDP/STTP/Workshop/MOOC courses.</p> <ul style="list-style-type: none"> • 277 course certifications are done by faculty members. • 165 faculty members completed 37 unique NPTEL courses.
3.3	Research & Development activities	<ul style="list-style-type: none"> • Out of two AICTE funded projects, one Research project is on verge of completion. The last installment of Rs. 35,294/- for RPS project is received. The second project of E-learning centre is going on. The 2nd installment grant of Rs. 5,01,000/- for this project is received. • 27 pre-proposals are submitted to PAH Solapur University under RGST Commission,

		Govt. of Maharashtra. <ul style="list-style-type: none"> • 61 research papers are published by faculty members in various Journals and conferences. • A total revenue of Rs. 22,50,434/- was generated through testing and consultancy.
3.5	Outreach Programme	40 faculty members from WCAS & HNCC, have been assisted for creating videos at our studio and uploading then on Youtube channel.
4	Facilities Enhancement	<ul style="list-style-type: none"> • The additional 50 AIOs and one workstation have been purchased. • A Purchase order for CNC & VMC machine is placed.
5.4	Accreditation	<p>NAAC : The E-AQAR of 2018-19 is submitted.</p> <p>NBA: The work of preparation of Compliance report based on the observations made by evaluators is going on.</p> <p>Autonomy: In response to our application submitted for grant of fresh autonomous status, UGC has constituted an expert committee for on-the spot inspection of the college.</p>


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