Shri Allak 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-8
06/07/2019

Minutes of the eighth meeting held on July 06, 2019

Eighth Meeting of the Committee Constituted for Internal Quality Assurance Cell was held in Conference Room on July 06, 2019 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.Mrs.P.S.Yalagi
8	Dr.Mrs.A.M.Pujar
9	Mr.M.S.Basargaon
10	Dr.Ranjeet H.Gandhi
11	Shri.B.V.Shah
12	C.A.Shri. C.R.Doshi
13	Student Council Member
14	Mr.Sham S. Yemul
15	Dr.S.R.Gengaje

At the outset Dr. S.A. Halkude welcome all members and explained the aims and objectives to all members. 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 10/04/2019

Minutes of the meeting held on 10-04-2019 were read and confirmed.

ITEM NO. 2	Teaching-Learning Process

As a plan to seek continuous improvement in T-L process and inculcation of lifelong learning following shall be done

2.1 Innovation in Teaching Learning

During 2018-19 use of 15 instructional strategies & 10 ICT tools were employed, leading to improved student's learning. Outcome of- these ET experiments is 5 research publications. No. of beneficiaries/participants were 2818.

These ET experiments towards Innovations in Teaching-Learning shall be continued with introduction of some additional instructional strategies and ICT tools. As well we shall continue to publish outcome of ET research.

2.2 Creation of LCM

During 2018-19 LCM is created partially for 180 courses with 1041 total videos in institute.

All faculty members shall continue creation of Learner Centric MOOC (LCM). It is also recommended to create 5 new videos towards course contents, for the courses taught by faculty members at E-learning centre.

2.3 Self learning to inculcate Lifelong Learning

During A.Y. 2018-19, 2720 students registered for various NPTEL courses and 582 students are benefited with credit transfer of NPTEL course to regular curriculum course.

The Self learning ability of the students shall be nurtured by making them enrolled for various courses available on MOOC platform.

It is decided that SE, TE & BE students shall be encouraged to complete various courses on Swayam/MOOC platform as self learning initiative.

2.4 Problem based/Project based learning (PBL)

During 2018-19 @300 students are benefited by use of platforms such as Hacker Rank, Hacker Earth etc. Our two teams participated in Grand Finale of Smart India Hackathon 2019. In 2018-19, 29 industry collaborated projects were undertaken.

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

- Enhance students' learning through PBL

- Encourage the use of various platforms such as Hacker Rank, Hacker Earth etc. for improving problem solving skills through programming

- Participation in various Hackathon

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

2.5 Employability Enhancement & Skill development

- **Training**
  - ➤ One hour everyday training for employability enhancement of students shall be continued for all SE, TE, BE students.
  - ➤ Special training on Python by in house faculty & industry experts shall be arranged to improve quality placements through InfyTQ / HackwithInfy, TCS Ninja / Codevita competitions for all the students, where expertise of Python is essential.
  - ➤ Training on emerging technologies in sync with Industry 4.0 is to be introduced

- **Student Internship**
  In the year 2018-19, 53 students had done internships with stipend. Also students have have done internships through internshala with
  Focus to enhance students' internship with stipend. Also it is proposed that efforts shall be taken to have online internships during ongoing semester.

- **Placement**
  In the year 2018-19 During 2018-19 total 410 final year students were placed through on campus placement drive across 72 companies of national and international repute with highest salary of 10 Lakhs PA and average salary of 3.24 Lakhs PA.

Now, it is observed that good MNCs are doing their recruitment nationwide. In this perspective, we need to know the system well & accordingly prepare our students for such recruitment process for improving placements in MNCs.

Also the focus to add new companies shall be kept in mind through various interactions with industry

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

Assessment of students learning is a continuous process. Accordingly the department need to set a calendar for assessment. The assessment shall be on the various cognitive level of Bloom's Taxonomy. After assessment, if the attainment is not found satisfactory then corrective measures shall be taken. This shall also be the basis for the improvement in T-L process and the input for course revision. On the basis of feedback & attainment of CO/PO/PSOs the suggestions for revision of course curriculum shall be sent to university, meanwhile the gap shall be addressed for higher attainment.

ITEM NO. 3   Faculty and staff Development

Department shall prepare a comprehensive plan for

3.1 Qualification Upgradation

During 2018-19 Three faculty members has been awarded Ph.D. Degree and one faculty member have submitted Thesis & 25 faculty members are pursuing Ph.D. at various universities.

3.2 Faculty Competency upgradation

During 2018-19, Overall 548 course certifications are done by faculty members.

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.

During 2018-19 three AICTE funded projects were going on out which one research project is completed. Three new proposals are submitted on AICTE portal.

The work of two funded research projects is going on.

Revenue of Rs. 4,43,975/- is generated through consultancy in the year 2019-20 till 30th June 2019.

During 2018-19 total 69 research papers are published in various National, International Journals & Conferences by faculty members.

3.4 Skill up gradation of Technical Staff

In 2018-19, thirty six technical staff successfully completed course on 'Linux' and 20 technical staff on "Moodle".

It is decided to have course certifications for Technical non teaching staff this year also.

3.5 Outreach Programme

In the year 2018-19, 64 faculty members of nonprofessional institutes were trained by our faculty for "Creating videos & Moodle course"

It is decided that on request of nonprofessional institutes ICT Training can be conducted for their faculties.

ITEM NO. 4	Facilities Enhancement

Strengthening of infrastructure & facilities

Institute has purchased total 72 computers which include 25 AIO in 2018-19.

It is recommended to increase number of AIOs in the institute to have proctored assessment. The department shall prepare a purchase plan for 2019-20 and procure the equipments following due procedure required for it.

Institute need to enhance facilities for making facility industry 4.0 competent. Accordingly procurements shall be done.

ITEM NO. 5	Quality Assurance initiatives

5.1 Annual Academic Administrative Audit (AAA)

As a set practise Internal Annual Academic Administrative Audit of all programmes shall be carried out. The findings of AAA shall be place before DAB for discussion & necessary corrective action.

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.

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.

5.4 Accreditation

NAAC:

Institute is awarded NAAC accreditation with A+ grade with score 3.26 in 2018.

Now, preparation of AQAR for the AY 2018-19 shall be undertaken.

NBA :

All the head of the department of 04 UG programs accredited by NBA have prepared action plan for improvement over the weaknesses. The plan was discussed & reviewed for implementation.

It is decided to go for accreditation for remaining 02 UG Programme namely Computer Science & Engineering & Information Technology. The prequalifier in this regard is to be filled online for approval so that; we will be able to submit SAR.

5.5 Autonomy

The institute is thrice accredited by NBA & its first cycle of NAAC accreditation with A+ grade is received. Therefore now we are eligible to seek autonomous status thru UGC by submitting the application for award of Autonomous status.

After discussion it was unanimously agreed that institute shall apply for autonomy.

Dr. B.B.Deshmukh have entrusted the responsibility of co-ordinating this activity.

ITEM NO. 6   Strategic Management-Review of key activities

The various activities done during A.Y. 2018-19 are reviewed. On the basis of the review of various key strategic activities, it is observed that following areas needs attention for improvement.

    a. Up gradation in qualification & ensuring faculty competency through FDP/Workshop.

    b. R&D activity needs significant improvement. Faculty members to prepare & submit a proposal for grant to various agencies. Focus on quality research publication.

    c. Continue training to students for employability enhancement.

    d. Continue to create e-course content for blended T-L process.

    e. Focus on emerging areas/Technologies for marching towards Industry 4.0.

    f. Review of activities of centre/s of Excellence.

    g. Regarding establishing Pre-incubation centre and Incubation Centre.

ITEM NO. 7   Any other subject with permission of the Principal.

After considering the items and agenda, no other subject was discussed and the meeting concluded with a vote of thanks to the Chair.

Principal
Dr.S.A.Halkude

Co-ordinator
Dr. S. R. Gengaje

Internal Quality Assurance Cell

Action taken Report on meeting held on 06-07-2019

Item on Agenda	Description	Action Taken
2.1	**Innovation in Teaching Learning**	Innovations in Teaching-Learning process have been continued with introduction of some additional instructional strategies and ICT tools. In first semester, 14 instructional strategies and 10 ICT tools are used.
2.2	**Creation of LCM**	550 videos are created of average duration of 12 minutes till date in the first semester. Satisfaction was expressed by many as these videos are viewed by outside students.
2.3	**Self Learning to inculcate Lifelong Learning**	During 1st semester, 2984 Students registrations are done for 208 NPTEL courses through our Local chapter. The self learning is improving the attainment of POs & PSOs.
2.4	**Problem based/Project based learning**	• Students are encouraged to use various platforms such as HackerRank, HackerEarth etc. for improving problem solving skills through programming. ➢ Two competitions were organized on WIT HackerEarth Platform in June and September. • Institute has organized Hackathon on 5th October 2019 for promoting PBL. 40 teams of 4 participants each, participated in this

		event.
		• One team was finalist in SMART TANTROTA-19, National level Code Hackathon held at PDA College of Engineering, Kalburgi, Karnataka, providing SMART ALERT Solution on "Natural Disaster Management".
		➢ Ideas proposals are submitted for Smart India Hackathon 2020.
		• To Facilitate & encourage students to select industry & societal relevant projects, in this year students have undertaken 26 industry collaborated projects.
2.5	**Employability Enhancement**	• **Training &Placement**
		➢ **One hour everyday training** for all SE, TE, BE students has been continued for employability enhancement of students.
		➢ Training was arranged by in house faculty & industry experts to improve quality placements through **InfyTQ / HackwithInfy, TCS Ninja / Codevita** competitions for all final year students.
		Through InfyTQ/ HackwithInfy 57 students & through TCS Ninja / Codevita competitions 105 students selected for Infosys & TCS respectively.
		• 83 students from third year have received training from RPG foundation experts.
		➢ Till date 03 MNCs Infosys, Atlas Copco & Persistent have visited institute for campus placement and selected 120 students.

		• **Student Internship** Efforts are taken to have online internships during ongoing semester. As a result 60 students are now doing online internship concurrently with academics.
2.6	**Assessment of Learning Outcome & Corrective measures, if any**	Assessment of students Learning Outcome is done at department level. In this regard corrective measures to improve attainment are in two fold namely content delivery beyond the course curriculum & through self learning. The rubrics for assessment are finalized and these are implemented from this academic year.
3.1	**Faculty Qualification Upgradation**	One faculty members have submitted thesis and one faculty member have registered for Ph.D. One faculty members is in a process to seek registration by appearing for Ph.D. entrance examination for admission. 26 faculty members are pursuing Ph.D. at various universities.
3.2	**Faculty Competency upgradation**	110 course certifications are done by faculty members and 93 faculties have enrolled for 37 unique NPTEL courses.
3.3	**Research & Development activities**	• Two AICTE funded projects are going on. • Three new proposals were submitted to AICTE. • Additionally 124 industry collaborated research / consultancy are going on. • Revenue of Rs. 9,84,048/- is generated through consultancy in the year 2019-20 till 30th Sept. 2019.
3.5	**Outreach Programme**	FDP on "Disruptive Innovations in Teaching-Learning Process" was organised for nonprofessional HEI. 35 faculty members of D.A.V. Velankar College of Commerce, Solapur participated in this FDP. They were trained on how to record videos.

4	Facilities Enhancement	• A Hit-office ERP software for construction management has been purchased for Civil Engineering Department. • Commencement of process of updating the Machine shop through procurement of CNC & VMC • The process of purchase of additional AIOs has been initiated.
5.1	**Annual Academic Administrative Audit(AAA)**	Internal Annual Academic Administrative Audit of all programmes has been carried out. The findings of AAA are placed before respective Departmental Advisory Board (DABs).
5.2	**Participation in various institute evaluation surveys**	Institute have participated in • AICTE-CII survey for "Best Industry Linked Institute" • AICTE Clean & Smart Campus Award survey • Institute has done registration to participate in NIRF ranking survey.
5.3	**Feedback from all stakeholders**	Feedback is collected from all the stakeholders & corrective measures have been taken. Total no of feedback received : 2665
5.4	**Accreditation**	NAAC : preparation of AQAR for the AY 2018-19 has been started. NBA: The action plan for improvement over the weaknesses with respect to NBA report is discussed & reviewed for implementation. The preparation to submit prequalifier for UG programmes namely Computer Science & Engineering & Information Technology is in progress.

Principal

Dr. S.A.Halkude

Co-ordinator

Dr. S.R. Gengaje