



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.**

• Phone : 2651388, 2652700 • Fax : (0217) 2651538 • Email: principal@witsolapur.org • Website : www.witsolapur.org

IQAC-9
12/10/2019

Minutes of the Ninth meeting held on October 12, 2019

Ninth Meeting of the Committee Constituted for Internal Quality Assurance Cell was held in Conference Room on October 12, 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.	Mr. B. V. Shah
12.	Mr. P. A. Shah
13.	Ms.Piyusha S. Junavane
14.	Mr. Sham S. Yemul
15.	Mr.Sagar Deshpande
16.	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 06/07/2019
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Minutes of the meeting held on 06-07-2019 were read and confirmed.

ITEM NO. 2	Teaching-Learning Process
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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

The ET experiments towards Innovations in Teaching-Learning shall be continued with introduction of some additional instructional strategies and ICT tools. In this semester, 14 instructional strategies and 10 ICT tools are used.

2.2 Creation of LCM

All faculty members shall continue creation of Learner Centric MOOC (LCM). It was decided to create 5 new videos towards course contents, for the courses taught by all faculty members at E-learning centre. Through this exercise, it is scheduled to create e-course contents @700 videos of average duration of 12 minutes for semester-1, out of which 550 videos are created till date and remaining videos are expected to be ready by end of October. Satisfaction was expressed by many as these videos are viewed by outside students. The comments/observations were discussed to improve the quality of e-contents.

2.3 Self learning to inculcate Lifelong Learning

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

It was decided that SE, TE & BE students shall be continued to encourage undertaking & completing various courses on SWAYAM/MOOC platform as self learning initiative.

During 1st semester, 2984 Students registrations 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 (PBL)

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.
- ✓ Two competitions organized on WIT HackerEarth Platform in June and September.
Participation in various Hackathon
- ✓ 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".
- ✓ Motivation for participation in Smart India Hackathon 2020.

- Facilitate & encourage students to select Industry & societal relevant Projects.
Students are working on 26 industries collaborated projects.

2.5 Employability Enhancement

- **Training & Placement**

- **One hour everyday training** for employability enhancement of students has been continued for all SE, TE, BE 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.

➤ **RPG foundation**

83 students from third year received training from RPG foundation experts.

- Till date 03 MNCs Infosys, Atlas Copco & Persistent have visited institute for campus placement and selected 120 students.

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

• **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.

Generally every student undertake onsite internship during vacation, however due to opportunity 60 students are now doing online internship concurrently with academics.

2.6 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 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 quality of question papers w.r.t. Blooms' taxonomy and CO mapping need to be ensured carefully. The rubrics for assessment are finalized and these are implemented from this academic year.

ITEM NO. 3

Faculty and staff Development

Department shall prepare a comprehensive plan for

3.1 Qualification Upgradation

Two faculty member 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. As on date, 26 faculty members are pursuing their doctoral studies.

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 110 course certifications are done by faculty members and 93 faculties have enrolled for 37 unique NPTEL courses.

3.3 Research & Development activities

Faculty members shall carried out R&D activities through funded & collaborated research by submitting proposals to various govt. / non govt./industry for funding. Project consultancy services are to be offered for increasing industry collaborations.

Two AICTE funded projects are going on. Additionally 124 industry collaborated research / consultancy are going on.

Three new proposals were submitted on AICTE portal & are at final stage of approval.

Revenue of Rs. 9,84,048/- is generated through consultancy in the year 2019-20 till 30th Sept. 2019.

3.4 Skill up gradation of Technical Non Teaching Staff

It is planned to have course certifications for Technical non teaching staff this year also. Accordingly a workshop on “Libre Office” for technical staff through Spoken Tutorial will be scheduled soon. Almost all the technical non-teaching staff will undergo this workshop for their skill upgradation.

3.5 Outreach Programme

FDP on “Disruptive Innovations in Teaching-Learning Process” was organised on 5th September, 2019, 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.

ITEM NO. 4

Facilities Enhancement

To enhance facilities for making facility industry 4.0 compliant –

- The process of purchase of additional AIOs has been initiated.
- A Hit-office ERP software for construction management has been purchased for Civil Engineering Department.

- Start exploring various cloud services such as Amazon, Google etc.
- Commencement of process of updating the Machine shop through procurement of CNC & VMC

ITEM NO. 5

Quality Assurance initiatives

5.1 Annual Academic Administrative Audit (AAA)

As a set practice Internal Annual Academic Administrative Audit of all programmes has been carried out in the month of September. The findings of AAA are placed before respective Departmental Advisory Board (DABs) for discussion & necessary corrective action, if any.

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”
- AICTE Clean & Smart Campus Award survey
- The registration for NIRF ranking survey is done

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. Here is an example for how feedback improved T-L – In a feedback given by the students for one of the teacher it was mentioned that the audio of the teacher was low and could not reach to the students at the back. This teacher was immediately provided with a portable microphone-speaker system so that the audio can reach to the students at the back. During second feedback, students expressed satisfaction about this improvement.

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 has been started.

NBA :

Institute has received accreditation letter along with NBA evaluators visit report stating strength & weaknesses along with their observation/s. Accordingly all the head of the department & NBA coordinators of 04 UG programs accredited by NBA have prepared action plan for improvement over the weaknesses. The plan was discussed & reviewed for implementation.

The preparation to submit prequalifier for UG programmes namely Computer Science & Engineering & Information Technology is in progress. It is expected to complete prequalifier within a month's time & proceed for Self Assessment Report (SAR)

5.5 Autonomy

The institute have registered on UGC portal for getting autonomous status and the work of preparation of data is going on. We intend to submit application to UGC for autonomy within 45 days.

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 strategic key activities, it is observed that following areas needs attention for improvement.

Sr. No.	Key Activity	Remark
1	Faculty qualification Up gradation to Ph.D.	The Faculty Members shall be encouraged to register for Ph.D.
2	Faculty Competency through FDP/Workshop	Faculty members are participating in various FDP/STTP/Workshop/MOOC. They shall continue the same & improve their competency.
3	Faculty members to prepare & submit a proposal for research grant	More focus is required on submission of proposals to various Govt./Non govt. agencies for acquiring research grants.

4	Quality Research Publication	Focus to have more quality research publications. Faculty members shall have focus to publish their papers in Scopus indexed/web of science/UGC-care journals.
5	Employability Enhancement Training	Student's training for employability enhancement shall be continued. Focus on additional efforts to bring new companies to campus for various types of interactions, student's internship with stipend.
6	Creation of e-course content for blended T-L process	Faculty members are creating videos as per schedule. The Views & subscribers for these videos are increasing.
7	Focus on emerging areas/Technologies for marching towards Industry 4.0.	Focus to have facilities compliant to Industry 4.0 requirement.
8	Review of activities of centre/s of Excellence	Centre of Excellence are functioning well and various activities are carried out under them.
9	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 Teacher representative Dr. R.R.Dube is on long medical leave due to his severe health problem. Considering this fact it is to appoint Dr. Ms. Asha V. Thalange, Incharge Head of the program in place of Dr. R.R. Dube.



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 12-10-2019

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	450 videos are created of average duration of 12 minutes till date in the second semester till date. The total views for these videos are 1032426 and 7095 have subscribed.
2.3	Self Learning to inculcate Lifelong Learning	During 1 st 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	<ul style="list-style-type: none">• Students are encouraged to use 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

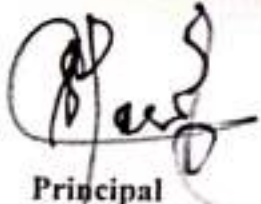
		<p>exposure to PBL.</p> <ul style="list-style-type: none"> • National Level Technical Symposium WITchar is scheduled on 20th & 21st March 2020. 30 events such as Energy Contraptions, Electron Mechanics, Catia Champs are planned which will motivate students to enhance their skills. Also it has been decided to introduce 24 hour coding Hackathon event in National level Technical Symposium WitChar-2020 to give more exposure on problem solving skills. • 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. • To Facilitate & encourage students to select industry & societal relevant projects, in this year students are working on 26 industry collaborated projects.
2.5	Employability Enhancement	<ul style="list-style-type: none"> • Training & Placement ➤ One hour everyday training for all SE, TE, BE students has been continued for employability enhancement of 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. <p>Nearly 415 students benefited from training.</p> <p>➤</p>

		<ul style="list-style-type: none"> • 83 students from third year received training from RPG foundation experts. • 13 companies visited campus for placement. and 242 students have been successfully placed. • Student Internship In addition to onsite internship during vacation, 88 students have undergone online internship concurrently with academics.
3.1	Faculty Qualification Upgradation	<p>One faculty member from Mechanical Department has been awarded a Ph.D. degree. 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.</p>
3.2	Faculty Competency upgradation	<ul style="list-style-type: none"> • 230 course certifications are done by faculty members. • 72 faculties have enrolled for various NPTEL courses in semester-2. • 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	<ul style="list-style-type: none"> • The work of two AICTE funded major projects of 3 years duration is going on. Additionally 124 industry collaborated research / consultancy are undertaken and 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 leading to total 108 certifications.
4	Facilities Enhancement	<ul style="list-style-type: none"> • The additional 50 AIOs has been purchased. • On study of various cloud services, it is decided 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.
5.1	Annual Academic Audit	The findings of AAA were placed before respective DABs for discussion & necessary corrective action.
5.2	Participation in various institute evaluation surveys	Institute have participated in <ul style="list-style-type: none"> • In AICTE-CII survey for “Best Industry Linked Institute” Institute is invited for

		<p>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 .</p> <ul style="list-style-type: none"> • NIRF Ranking Survey Result is awaited. • Institute awarded for the "Best Practices" followed in the institution in Clean & Smart Campus Awards-2019.
5.3	Feedback from all stakeholders	<p>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.</p>
5.4	Accreditation	<ul style="list-style-type: none"> • NAAC : preparation of AQAR for the AY 2018-19 is going on. • NBA: • The Accredited 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 November 2019. As well as a hard copy is submitted to UGC & P.A.H. Solapur University for forwarding the copy to UGC.



Principal
Dr. S.A. Halkude



Co-ordinator
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