Shri Aillak Pannalal Digamber Jain Pathashala's

WALCHAND INSTITUTE OF TECHNOLOGY

Seth Walchand Hirachand Marg, Ashok Chowk, Post Box No.634, SOLAPUR – 413006.
- Recognized by **AICTE**, New Delhi & permanently affiliated to **Punyashlok Ahilyadev Holkar Solapur University, Solapur**
- Accredited & Re-accredited by **National Board of Accreditation, New Delhi.**
- Winner of **AICTE-CII Survey 2013, 2014 & 2018** Award for **Best Industry-Linked Institute.** Best College Award in Solapur University Jurisdiction (Urban) 2015

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IQAC-12
10/08/2020

ITEM NO. 1	Minutes of the last Meeting held on 22/06/2020

Minutes of the meeting held on 22-06-2020were read and confirmed.

ITEM NO. 2	Teaching-Learning Process

Academic year 2020-21 is presently facing challenges of COVID-19 due to which students are unlikely to attend academics in person; therefore all the academic activities including co-curricular & extracurricular activities need to be mandatorily in online mode till pre pandemic situation is restored.

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 COVID-19 Pandemic (March- June 2020), online lectures and discussion happened through various platforms like Zoom, Google Meet, Webex, Microsoft Teams, and YouTube etc. All these platforms are studied based on various parameters such as cost, number of users, internet bandwidth required, various features offered and students' feedback. Out of these platforms Google Meet is found more suitable. Therefore, it was proposed that

- GoogleMeet shall be used for delivering online lectures and co-curricular & extension activities.
- Not only lectures but laboratory experiments shall be carried out in online mode. Virtual Labs (VLabs), a project initiated by the MHRD, Government of India and various programming platforms shall be used for laboratory assignments up to the considerable extent for all the classes.

Also, it is proposed that

- The use of various instructional strategies & ICT tools which have improved student's learning shall be continued.
- All faculty members shall continue creation of Learner Centric MOOC (LCM). It is also proposed to create 5 new videos of average duration of 12 minutes towards course contents, for the courses taught by faculty members at E-learning centre. @25% unit shall be covered through LCM.

Committee members unanimously agreed upon to use Google Meet Platform for delivering online lectures and co-curricular & extension activities and laboratory experiments shall also be carried out in online mode.

2.2 Self learning to inculcate Lifelong Learning and credit transfer.

It is proposed that SE, TE & BE students shall be encouraged to complete various courses on Swayam/MOOC platform as self learning initiative. Accordingly identify the various platforms and offered courses and define the co-ordinated structure for implementation.

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

2.3 Problem based/Project based learning (PBL)

To provide an exposure to various real time/societal problems, it is planned to undertake following to make students better professional

- Enhance students' learning through PBL

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

- Encourage students to participate in various Hackathons. In SIH 2020, three teams participated in grand finale in virtual mode. One team namely 'Bug Zero' won Best Tagline Award for tagline "Bugs Busted, Done Dusted". Facilitate & encourage students to select industry & societal relevant Projects.

Committee members agreed upon this.

2.4 Employability Enhancement & Skill development

Alumni of the institute are well spread across the globe and are occupying key position. Due to COVID-19 pandemic everyone is working from home leading to their increased availability. Therefore, sincere efforts to connect alumni to our students virtually to enhance their employability and opportunity shall be undertaken.
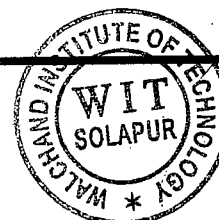
- **Training**
  - It is proposed that one hour everyday training for employability enhancement of students shall be continued for all SE, TE, BE students.
  - Special trainings on programming languages especially Python by in house faculty & industry experts shall be arranged to improve quality placements through InfyTQ / HackwithInfy, TCSNinja/ Codevita competitions for all the students
  - The #GoogleCloudReady program provides an opportunity to kickstart career in cloud and get hands on practice on GCP (Google Cloud Platform). It is proposed to encourage students to enrol for this program.
  - Training on Emerging Technologies in sync with Industry 4.0 is to be continued. Committee members decided to continue the training of students for employability enhancement.

- **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.

- **Placement**

  It is proposed to have focus to add more MNCs through various interactions with industry and improve number of placements, Maximum package and Average package.

2.5 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.

In constraint of COVID-19 situation evaluation & assessment shall be done in online mode having both objective & subjective natures in appropriate proportion.

ITEM NO.3	Faculty and staff Development
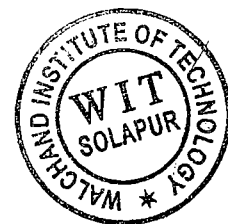
It is proposed that, department shall prepare a comprehensive plan for

3.1 Qualification & Faculty Competency up gradation

Continue to facilitate to encourage faculty to acquire doctoral qualification. Continuous up gradation of faculty competency by attending FDP/STTP/Training/Workshop/Seminar/ conferences to keep the pace with the industrial revolution shall be done.

3.2 Research & Development activities

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

All faculties shall publish their research in quality journals & conferences (SCI, Web of Science, UGC Care etc.)

3.3 Innovations

It is proposed to continue innovative, entrepreneur and IPR related activities to create awareness amongst faculty members, staff and students in a more systematic manner towards incubation & start-up activities. In this regard, various key activities such as workshops, Expert talks, Hackathons, skill development programmes, various contests including ideation etc. shall be scheduled.

To inculcate creativity and design thinking, institute has taken a lead to prepare a course namely 'Creativity & Design Thinking'' to be implemented at first year. Accordingly affiliating university PAH Solapur University has included this course on 'Creativity & Design Thinking' in First Year Engineering curriculum. A workshop to facilitate T-L of 'Creativity & Design Thinking' shall be organized for the benefit of all faculties of affiliated institutions before commencement of the course.

Institute shall register for 'Atal Ranking of Institutes on Innovation Achievements' conducted by AICTE. This will involve organising sessions on NEP, NISP and implementing suggestions from them by formulating an IIC at the institute.

The impact of these sessions will be presented in the report to be prepared for ARIIA.

3.4 Skill up gradation of Staff

It is proposed to continue the skill up gradation of staff.
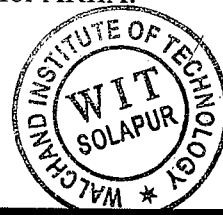
ITEM NO. 4 — Extension Activities

It is proposed to carry out various extension activities such as .

1. Awareness on COVID-19 and appropriate behaviour
2. Various AICTE National initiatives such as Swachha Bharat Abhiyan, Voter awareness camp, Indian Knowledge System, UBA/UMA
3. Various Green & Smart initiatives
4. Programmes on promotion of Gender equity

ITEM NO. 5 — Facilities Enhancement

It is proposed to enhance facilities for making facility industry 4.0 competent.

ITEM NO. 6 — Collaborations

It is proposed to increase collaborations with industries/Academia to exchange technical know-how and to make students industry ready with cutting edge technology.

Institute is now a Red Hat Academy partner. A Laboratory of 25 desktop machines has been set up by Red Hat with RHEL OS to foster open source adoption at the institute. As a part of MOU expert talks, trainings will be organised and course contents are available free of cost.

ITEM NO. 7 — Quality Assurance Initiatives

7.1 Annual Academic Audit

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

As on date frequency of academic audit is annual for internal audit and bi-annual for external audit. Internal audit report proforma is already revised. As we have received suggestions from
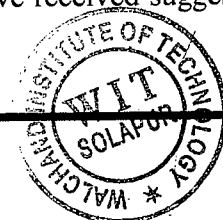
various stakeholders, it is proposed to revise proforma of external audit to focus minutely on the quality parameters which can be used for betterment.

7.2 Participation of the institute in various evaluation surveys & competitions

It is proposed that, Institute shall participate in various Govt./non Govt. surveys like NIRF, AICTE-CII survey for 'Best Industry Linked Institute' and such other surveys for quality assurance and as a brand building exercise. Also participation in various competition initiated by AICTE & ISTE.

7.3 Feedback from all stakeholders

It is proposed 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. Since teaching is completely online, it is proposed to revise feedback proforma accordingly.

7.4 Accreditation

NAAC:

It is proposed to start preparation of AQAR for the AY 2019-20 shall be undertaken.

NBA:

It is proposed to complete the work of preparation compliance report of four UG programmes accredited in 2018 for 3 years. The compliance report is required to be submitted to the NBA for grant of further extension of accreditation period.

For the remaining two UG programmes namely Computer Sci. & Engineering & Information Technology, Self Assessment Report (SAR) is already submitted and the visit dates were communicated to NBA. However, Due to COVID-19 the visit could not take place in A.Y. 2019-20 and is awaited.

- Autonomy
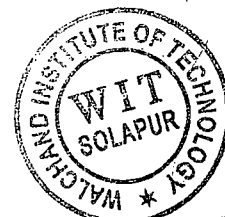
We have submitted application to UGC for grant of fresh autonomous status. The visit for on spot inspection is awaited. It is necessary to gear up for Autonomy.

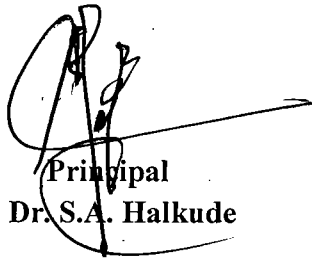| ITEM NO. 8	Strategic Management-Review of key activities

The various activities done during A.Y. 2019-20 are reviewed. On the basis of the review of various key strategic activities, it is proposed that following areas needs attention for improvement.

a. Upgradation 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, higher education and Entrepreneurship

d. Continue to practice disruptive Innovations in Teaching-Learning and effective delivery even in online mode

e. Organization of Various co-curricular & extra curricular activities

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

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

h. Initiatives towards Innovations, Product Development, IPR and establishing Pre-incubation centre and Incubation Centre.

i. Initiatives towards Green and smart Campus

j. Quality assurance through accreditations, institute evaluation surveys

k. Infrastructure Enhancement

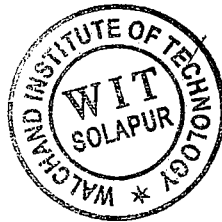l. Offerings of Skill based courses

m. Various collaborations
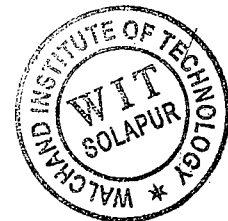
ITEM NO. 9	Any other subject with permission of the Chair.

After considering the items and agenda, no other subject was discussed and the meeting concluded with vote of thanks to the Chair & member for their support & contribution.

Principal
Dr. S.A. Halkude

Co-ordinator
Dr. S.R. Gengaje

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(An Autonomous Institute)

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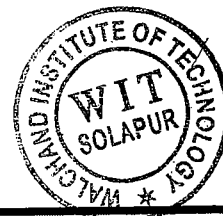- Solapur Jurisdiction only.

Seth Walchand Hirachand Marg, Ashok Chowk, Post Box No. 634, SOLAPUR - 413006.
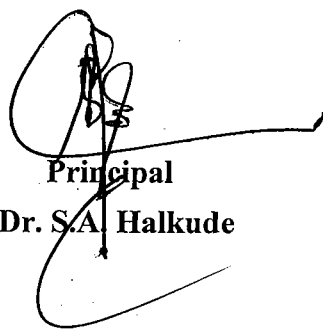● ☎ : 0217- 2653040, 2652700 ● **Fax :** (0217) 2651538 ● **Email :** principal@witsolapur.org ● **Website :** www.witsolapur.org

Internal Quality Assurance Cell
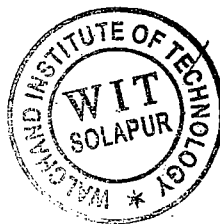## Action taken Report on meeting held on 10-08-2020

Item on Agenda	Description	Action Taken
2.1	**Innovation in Teaching Learning**	In this year till date ● 12 instructional strategies and 10 ICT tools are employed. ● All faculty members have created partial Learner Centric MOOC (LCM). 524 videos are created by faculty members and uploaded on institute YouTube channel. ● Study material deployed on institute Moodle for respective classes as a part of teaching-learning process.
2.2	**Self Learning to inculcate Lifelong Learning and credit transfer**	● 1224 Students registrations are done for 208 various NPTEL courses. ● 552 registrations are done for 207 courses on Coursera platform.
2.3	**Problem based/Project based learning (PBL)**	● Students participated in various Hackathons namely Assam Police Hackathon 2020, Pan-India virtual Hackathon, SYNFIG Hackathon and won few prizes. ● Students are working on 21 industries collaborated projects.

| 2.4 | Employability Enhancement & Skill Development | • Schedule of one hour training sessions everyday for all students is continued.
• Special trainings on programming languages especially Python, Soft Skills, Interview Skills, Infosys-InfyTQ, TCS-NQT pattern are arranged by in house faculty & industry experts to improve quality placements.
• Nearly 615 students benefited from special training arranged for employability enhancement.
• 234 students successfully completed #Google Cloud Ready campaign towards achievement of the ultimate milestone.
• The practicing concepts like computing, application development, big data & machine learning using cloud has been improved.
• Training/expert talks on Emerging Technologies in sync with Industry 4.0 were organized.
• Various competitions were organized to enhance soft skill, logical thinking, reasoning, programming skills etc. for employability enhancement.
• As on date, one training program of 10 days duration by industry experts, 06 guidance sessions by our alumni and 42 in house training sessions were organized for SY & TY Students
• Many students are undergoing online internships
• Till date 277 students are placed in 5 companies. |
| 3.1 | Faculty Qualification & Competency up gradation | • One faculty member has acquired Ph.D. degree.
• During this semester as on date

• 211 certifications are successfully completed by faculty members through 147 FDP/Workshop/STTP etc.

• 54 courses are completed by faculty members on various MOOC platforms. |

3.2	Research & Development activities	• During 20-21, till date 34 research papers are published in various National, International Journals & Conferences by faculty members. • 09 Research proposals submitted for grant. • A total revenue of Rs. 7,42,397/- is generated through testing and consultancy in F.Y. 2020-21 till date.
4	Innovations	• Institute have registered for AICTE's 'Atal Ranking of Institutes on Innovation Achievements'. • One workshop & three expert sessions were organized to promote innovation activities.
5	Extension Activities	• 02 online workshops on yoga were organized by the institute. • It is planned to undertake various other activities on voter awareness & Swatchha Bharat
8.2	Feedback from all stakeholders	The first feedback process of this semester on teaching learning is complete.
8.3	Quality Initiatives	Institute participated in AICTE-CII Survey for 'Best Industry Linked Institute' and submitted application on AICTE portal.
8.4	Accreditation	**NBA:** The work of preparation of Compliance report based on the observations made by evaluators is going on. **Autonomy:** Follow up to expedite early visit are undertaken. Simultaneously preparation of files for on the spot visit is going on.

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