Tatyasaheb Kore Institute of Engineering and Technology, Warananagar

An Autonomous Institute

Department of Chemical Engineering

❖ PROGRAM EDUCATIONAL OBJECTIVES

Graduates will be able to,

1. Model and simulate the chemical processes by using advanced software.
2. Do Economic design and demonstrate safety and environmental aspects in chemical processes.
3. Understand the impact of Chemical Engineering solutions within realistic constraints in global and societal context.

❖ PROGRAMOUTCOMES

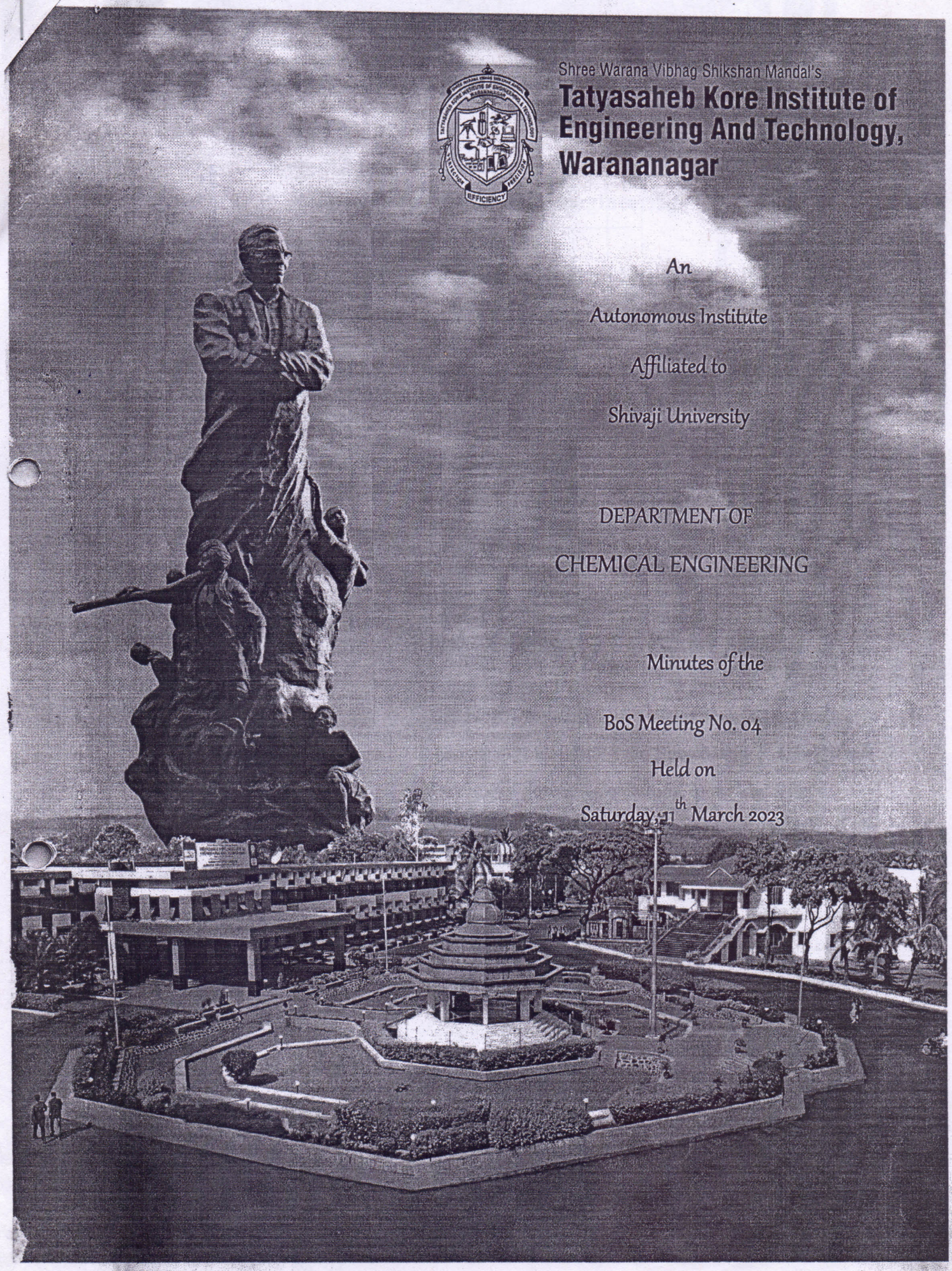
After completion of the Program, graduates will,

1. Apply knowledge of science, mathematics and engineering fundamentals to the solution of problems of chemical engineering.
2. Identify and integrate the major elements to formulate and solve chemical engineering problems.
3. Design a system, component or process to meet desired objectives within realistic constraints such as economic, environmental, social, political, ethical, manufacturability, sustainability, health and safety aspect
4. Conduct experiments using research based knowledge and research method safely to analyze and interpret data to provide valid conclusions.
5. Create and use the appropriate techniques, resources, modern engineering tools and advanced software's necessary for model prediction and simulation of chemical engineering processes.
6. Apply reasoning in formed by contextual knowledge to assess impact of contemporary issues as societal, health, safety, legal, cultural and consequent responsibilities relevant to chemical engineering practices.
7. Understand the impact of engineering solution in a global, economic, environmental, societal context and need for sustainable development.
8. Understand professional ethics, responsibilities and norms of chemical engineering practices.
9. Work effectively as a member in multidisciplinary teams to have better understanding of leadership.
10. Communicate effectively and comprehensively in oral and written form
11. Apply knowledge of chemical engineering and understand management principle to manage projects in multidisciplinary environment.
12. Recognize the need for and have an ability to engage in life long learning.

❖ PROGRAMSPECIFICOUTCOMES

1. Graduates will be able to Model and simulate the chemical processes by using advanced software.
2. Graduates will be able to do Economic design and demonstrate safety and environmental aspects in chemical processes.
3. Graduates will be able to understand the impact of Chemical Engineering solutions with in realistic constraints in global and societal context.

Tatyasaheb Kore Institute of Engineering and Technology ★ Department of Chemical Engineering ★ Autonomous Institute ★ Warananagar - ESTD - 1983



Shree Warana Vibhag Shikshan Mandal's

Tatyasaheb Kore Institute of Engineering And Technology, Warananagar

An

Autonomous Institute

Affiliated to

Shivaji University

DEPARTMENT OF

CHEMICAL ENGINEERING

Minutes of the

BoS Meeting No. 04

Held on

Saturday, 11th March 2023

Department of Chemical Engineering

Minutes of the BoS Meeting No. 04

Held on Saturday, 11th March 2023 at 10.00 AM

The fourth (04th) meeting of BoS of Department of Chemical Engineering was held in a Hybrid mode on Saturday, 11th March 2023 at 10.00 AM.

Following members were present for the meeting:

1	Principal	Dr. S. V. Anekar	Principal, Tatyasaheb Kore Institute of Engineering and Technology, Warananagar
2	Chairman	Dr. K. I. Patil	Dean Academics & HoD of Chemical Engineering, Tatyasaheb Kore Institute of Engineering and Technology, Warananagar
3	Member Secretary	Prof. S. A. Desai	Chemical Engineering, Tatyasaheb Kore Institute of Engineering and Technology, Warananagar
4	I/c Principal	Prof. L.B.Patkure	Civil Engineering, Tatyasaheb Kore Institute of Engineering and Technology, Warananagar
5	Member	Mr. Seshu	Head NPT & conversionet, Galaxy Surfactant, Taloja
6	Member	Mr. Mohan Rampure	Assistant General Manager, Sulzer India Pvt. Ltd., Pune
7	Member	Mr. Sunil Patil	Director of Solution Consulting AspenTech, Pune
8	Member	Dr. A. L. Jadhav	Dean R&D, D.Y.Patil College of Engineering and Technology, Kolhapur
9	Member	Prof. N. H. Shinde	Chemical Engineering, Tatyasaheb Kore Institute of Engineering and Technology, Warananagar
10	Member	Prof. S.T.Patil	Chemical Engineering, Tatyasaheb Kore Institute of Engineering and Technology, Warananagar
11	Member	Prof. V. A. Bhosale	Chemical Engineering, Tatyasaheb Kore Institute of Engineering and Technology, Warananagar
12	Member	Prof. P. J. Patil	Training & Placement Officer, Tatyasaheb Kore Institute of Engineering and Technology, Warananagar
13	Member	Prof. P. B. Dehankar	Chemical Engineering, Tatyasaheb Kore Institute of Engineering and Technology, Warananagar
14	Member	Prof. S. S. Patil	Chemical Engineering, Tatyasaheb Kore Institute of Engineering and Technology, Warananagar
15	Member	Prof. M. A. Patil	Chemical Engineering, Tatyasaheb Kore Institute of Engineering and Technology, Warananagar
16	Member	Prof. A. V. Patil	Chemical Engineering, Tatyasaheb Kore Institute of Engineering and Technology, Warananagar

- Initially, Prof. N. H. Shinde welcomed all the Honorable members of the meeting. After the short welcome he invited Prof. L.B.Patkure & Dr. K. I. Patil for felicitating Mr. Mohan Rampure & Dr. A. L. Jadhav respectively.

- Dr. K. I. Patil, BOS Chairman, addressed about importance of BoS meeting and invited suggestions from members.

- Prof. S. S. Patil, highlighted Objectives and Agenda of meeting.

Agenda / Item No.	Description
Item no. 4.1	**Change of BoS Chairman & Confirmation**
	Prof. S. A. Desai, Member Secretary of BoS, informed about change of BOS Chairman & confirmed that Dr. K. I. Patil sir is newly appointed BOS Chairman.
Item no. 4.2	**Confirmation of the minutes of last BoS meeting held on 18th Feb. & 10th Aug. 2022**
	Prof. S. A. Desai, Member Secretary of BoS, presented the Minutes of BoS Meeting No.3. He confirmed the minutes from BOS members & got approved.
Item no. 4.3	**Action taken report on the recommendations received in the last BoS meeting 03.**
	Dr. K. I. Patil, BOS Chairman, presented the detailed action taken report on BoS Meeting No. 3 & got approved from all BoS members.
Item no. 4.4	**Approval of the Final Year B. Tech Syllabus Structure & Syllabus with changes in previous structure (60-40).**
	Dr. K. I. Patil, also presented AICTE guidelines & tracks of Academic/Capstone and Internship pattern of Sem-VII & VIII of final year B. Tech. Same is approved with suggestions. Syllabus of all subjects is presented by respective subject incharge & invited suggestions from external BOS members and to be modified accordingly. • **TP:** Syllabus is good.

	• **CPD:** Industry & application oriented design part is to be added suggested by Rampure Sir. • **MMCE:** Syllabus is good. Sunil Sir & Rampure Sir suggested that students should be expertised on practicals, its applications, and models on software's. • **CPPR:** is to be offered as Elective. Dr. A. L. Jadhav sir suggested to add Pharmaceutical Industry instead of Glass Industry in curriculam. • **OTCE:** is to be offered as Elective • **CT:** 50 marks for technical questions based on GATE syllabus and 25 marks to be given to industrial application oriented problems. • **In Plant Training:** Student representative elaborated about current procedure of In -plant training same is to be followed in autonomous structure. • **PW& Seminar:** Sunil Sir, & Dr. A. L. Jadhav Sir suggested participation of students should be enhanced in Technical exhibitions, Paper presentation, Model making etc. Rampure sir insisted that at least 2 projects should be presented in conferences & also Sunil sir added to introduction of commercial based small scale project. Student representative also agreed upon improvement on presentation skills. Dr. K. I. Patil Sir added that weightage & percentage to be given for industry based commercial projects. • **ASP:** Dr. A. L. Jadhav Sir & Sunil Sir suggested to introduce new advance processes like Nanotechnology, Super Critical Extraction etc. Rampure Sir added that fundamental & Basic Principles are important. • **PEPE:** Syllabus is approved with minor suggestions. • **PPS:** Syllabus reviewed with T.Y. Subjects & to be modified accordingly. • **PCT:** Syllabus is good. • **ECR:** Energy Management & Audit is to be added as a topic as per suggestion given by Rampure Sir. According to change in scenario updated information is to be added.
Item no. 4.5	**Approving the panel of examiners for paper setting (Three Names) and assessment for the courses in Final Year B. Tech Program.**
	Prof. S. S. Patil, presented the examiner panel for paper setting & assessment of Final year B. Tech examination, same is approved by BOS members.
Item no. 4.6	**Approval on Implementation of Internship in Final Year Program. (Duration of Internship 3 months)**
	Industrial Internship Coordinator to be appointed with faculty mentor to monitor industrial activities & progress of students month wise. All BOS members agreed

	on internship pattern, Students ISA can be conducted at the end of semester. Prof. P. J. Patil, TPO, addressed about internship & placement of final year autonomous student. The criteria of selection, period of internship & further policy to be finalized at the institute level.
Item no. 4.7	**Any other points with the permission of the chair**
	Dr. K. I. Patil informed & asked suggestions on Re-examination Policy & Screen Evaluation. BOS members agreed on Twice in a year (i.e. 15 days after ESE) re-examination policy with grade penalty, it was suggested to have physical assessment of papers instead of screen evaluation of ISA & ESE.

Vote of Thanks

Prof. S. A. Desai, Member Secretary of BoS expressed a vote of thanks. With the permission of the Chairman, he closed the meeting.

Prof. S. A. Desai
Member Secretary

Dr. K. I. Patil
Head & BoS Chairman