



Focus on Excellence

FEDERAL INSTITUTE OF SCIENCE AND TECHNOLOGY (FISAT)[®]

**Index of Cr 1.4..2 :Action taken report based on
Curriculum Feedback Analysis**

Academic Year : 2021-22

Sl. No.	Department	Pg. Nos.
1	CE	2
2	CSE	3
3	EEE	4
4	ECE	5
5	EIE	6
6	ME	7



FEDERAL INSTITUTE OF SCIENCE AND TECHNOLOGY (FISAT)*

ACTION TAKEN REPORT OF FEEDBACK ON CURRICULUM (CONSOLIDATED)

ACADEMIC YEAR 2021-22

List of Programs/methods/Activities Conducted to implement recommendations	
	<ol style="list-style-type: none">1. Conducted webinar on ASCE Day-"Evolution and impact of ASCE throughout history and how to add value to your education through ASCE Student Chapter" by Dr. Dennis Traux President ASCE2. Conducted Civil House-Alumni Talk by Gouri C T, Senior Associate in Consulting and Valuation, CBRE Coldwell Banker Richard Ellis India.3. Conducted Technical Talk on Technical Talk on Cement, Practical Civil Engineering and Career Building by Santhosh S Nair, AGM-Technical Services, Dalmia Cements(B) Ltd and Varun P R, Senior Executive Engineer-Technical Services, Dalmia Cements(B) Ltd4. Conducted Add-on Course on Building Planning by Riya Zachariya (Raspberry Design Architecture), Rinu J Achison, Reshma Prasad, Nujuma Nazimudhin, Anu Roy, Sharon Jacob5. Conducted International Conference on Structural Engineering and Construction Management (SECON) 2022.6. Conducted Webinar on Green Infrastructure Technology: Policy Testing by Prof. Moncef L. Nehdi, PhD, P.Eng., FEIC, FACI, FCSCE Professor and Chair Department of Civil Engineering McMaster University, Canada7. Identified slow learners and conducted remedial classes.8. Conducted Add-on Course on 3D modelling

Signature of HoD



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FEDERAL INSTITUTE OF SCIENCE AND TECHNOLOGY (FISAT)[®]

Department of **Civil Engineering**

Academic Year : **2021-22**

FEDERAL INSTITUTE OF SCIENCE AND TECHNOLOGY (FISAT) *

Department: CE
Academic Year: 2022-23

Action to be taken

Department recommendations based on Analysis:

1. Conduct add-on courses to improve the usage of advanced computer aided tools.
2. Encourage students to participate in technical events/ workshops to improve problem solving skills.
3. Encourage students for Alumni interactions on their experience in the working atmosphere.
4. Organize Alumni talks by industry experts to cultivate professional ethics.
5. Encourage students to make use of web-resources and enroll in online NPTEL/MOOC courses.
6. Provide opportunity to students for participating and publishing in an in-house conference - SECON.
7. Motivate students to conduct building expo for their career advancement.
8. Identify underperforming students to improve their performance levels by conducting remedial sessions/tutorials.


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FEDERAL INSTITUTE OF SCIENCE AND TECHNOLOGY (FISAT)[®]

Department of **Computer Science and Engineering**
Academic Year :**2021-22**

FEDERAL INSTITUTE OF SCIENCE AND TECHNOLOGY (FISAT)[®]

ACTION TAKEN REPORT OF FEEDBACK ON CURRICULUM (CONSOLIDATED)

ACADEMIC YEAR 2021-22

List of Programs/methods/Activities Conducted to implement recommendations	
	<ul style="list-style-type: none">• Conducted add-on courses Advanced Web Technologies, Python programming, AWS certified cloud practitioner, Introduction to object detection using deep learning, programming for developers.• Identified slow learners and conducted remedial classes.• Organized national student conference ICEFOSS'22.• Organized Internship programme in Ethical Hacking associated with qOlabs and iOS development with Consolidated Technology.• More than 80% percent of students successfully completed MOOC courses.• Students received funds from the KSCSTE-Student project scheme.• Organized Developer connect-interaction with industry• Conducted workshops/seminars on<ul style="list-style-type: none">◦ Introduction To FOSS, GIT◦ Career guidance sessions◦ Robot Operating System(ROS)◦ Cyber Security and Ethical Hacking◦ Pycamp◦ Career guidance◦ Environment & Sustainability

Signature of HoD

Dr. Jyothish K John



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FEDERAL INSTITUTE OF SCIENCE AND TECHNOLOGY (FISAT)[®]

Department of **Computer Science and Engineering**
Academic Year :**2021-22**

FEDERAL INSTITUTE OF SCIENCE AND TECHNOLOGY (FISAT)[®]

Department: Computer Science and Engineering

Academic Year: 2022-23

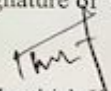
Action to be taken

Department recommendations based on Analysis:

According to the feedback analysis, following activities are recommended for the upcoming academic year.

- Conduct add-on courses to provide insight to emerging trends as well as to improve the programming skills
- Conduct remedial classes & tutorial classes including the experiential learning methodologies
- Encourage students to work out complex engineering problems as micro projects that require literature reviews and decision-making skills.
- Conduct workshops on modern tools and expert lectures that introduce new software's relevance to the course.
- Encourage students to publish their works in reputed journals and also to present their work in National/International Conferences.
- Conduct motivational talks on professional ethics, value education, career guidance and Entrepreneurial skills.
- Students are motivated to take up projects that benefit agriculture and society as a whole.
- Conduct internal internships to workout on complex engineering problems.
- Conduct Hackathon to motivate students to indulge in social service activities that would cater to society's needs.
- Students are advised to actively participate in department association activities.
- Encourage students to attend MOOC courses like NPTEL and Coursera courses.
- Encourage students to take up consultancy works.
- Organize project exhibitions to encourage students.

Signature of HoD


Dr. Jyothish K. John



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FEDERAL INSTITUTE OF SCIENCE AND TECHNOLOGY (FISAT)[®]

Department of **Electrical and Electronics Engineering**


Academic Year :**2021-22**

FEDERAL INSTITUTE OF SCIENCE AND TECHNOLOGY (FISAT)[®]

ACTION TAKEN REPORT OF FEEDBACK ON CURRICULUM (CONSOLIDATED)

ACADEMIC YEAR 2021-22

List of Programs/methods/Activities Conducted to implement recommendations	
	<ol style="list-style-type: none">1. Conducted Projects exhibitions which gave solutions to many social problems ,to develop their interpersonal skills and could bring in more ideas and opportunities to the forefront.2. Conducted a preliminary session of the Autodesk software which helped the students to interpret the importance of the software when it comes to the working environment as well as on the job premises.3. Conducted a power quiz by the Kerala State Electricity Board Officers Association bringing knowledge and awareness in the field of electricity to the promising youths of tomorrow with the motto 'Power to Rebuild'.4. Conducted an invited talk on Introduction to flight control system.5. Conducted an invited talk on grafting yourself for startups to enhance entrepreneurship skills.6. Conducted technical talk on Machine learning to impart basic knowledge in soft computing techniques."7. Conducted an invited talk on EV charging infrastructure to create interest in EV8. Conducted tech fest to improve leadership skills and technical skills.


Signature of HoD
Dr. Arubana



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FEDERAL INSTITUTE OF SCIENCE AND TECHNOLOGY (FISAT)[®]

Department of **Electrical and Electronics Engineering**
Academic Year :**2021-22**


FEDERAL INSTITUTE OF SCIENCE AND TECHNOLOGY (FISAT)[®]

Department:Electrical And Electronics Engineering
Academic Year:2021-2022

Action to be taken

Department recommendations based on Analysis:

1. Strengthen Remedial system in the department.
2. Offer industry oriented add on course or workshop for creating the skills
3. Ability of students to be work in group shall be enhanced
4. Conduct Projects exhibitions.
5. Conduct programs to enhance software skills
6. Conduct competitions to showcase students skills
7. Explore funding options in academic project


Signature of HoD
Dr. Aruhana R



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FEDERAL INSTITUTE OF SCIENCE AND TECHNOLOGY (FISAT)[®]

Department of **Electronics And Communication Engineering**

Academic Year :**2021-22**

FEDERAL INSTITUTE OF SCIENCE AND TECHNOLOGY (FISAT)[®]

ACTION TAKEN REPORT OF FEEDBACK ON CURRICULUM (CONSOLIDATED) ACADEMIC YEAR 2021-22

List of Programs/methods/Activities Conducted to implement recommendations	
	<ul style="list-style-type: none">• Conducted project expo Agnitio2K21 for exhibiting final year project works• A competition conducted for first year student to introduce science concept through working model.• Conducted many competitions like Technical short story competition, Scilab Coding Competition, Treasure Hunt, Technical rewriting Competition for students ensuring maximum participation from students.• Conducted online quiz competition for students• Conducted talk on control systems, Microwave radiation- Myths and Facts, MIMO Techniques for Wireless Communication.• Conducted workshops on topics Introduction to Machine Learning, Introduction to Embedded Programming, Digital Front End Design, Software testing.

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FEDERAL INSTITUTE OF SCIENCE AND TECHNOLOGY (FISAT)[®]

Department of **Electronics And Communication Engineering**

Academic Year :**2021-22**

FEDERAL INSTITUTE OF SCIENCE AND TECHNOLOGY (FISAT)[®]

Department: Electronics and Communication Engineering
Academic Year: 2021-22

Action to be taken

Department recommendations based on Analysis:

- To encourage students to do more add on [programs on coding& soft skill sessions, programming languages, modern technology and tools related to the core etc...
- To constitute the Department Research cell
- To constitute the Department Placement and Training Cell
- To encourage students to coordinate events in technical fests and Project exhibitions
- To encourage students to actively participate in department association activities
- To encourage alumni related activities in the department.
- To conduct more webinar, Talks and add on courses for the students.

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FEDERAL INSTITUTE OF SCIENCE AND TECHNOLOGY (FISAT)[®]

Department of **Electronics And Instrumentation Engineering**
Academic Year :**2021-22**

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FEDERAL INSTITUTE OF SCIENCE AND TECHNOLOGY (FISAT)

Department: Electronics and Instrumentation

Academic Year: 2021-22

Action to be taken

Department recommendations based on Analysis:

- * Recommended to conduct Add-on Course on PLC, in the month of April-(21-22)
- * Recommended to conduct a competition to improve the Technical skills.

Signature of HOD
S. Sundarasegan



FEDERAL INSTITUTE OF SCIENCE AND TECHNOLOGY (FISAT)

ACTION TAKEN REPORT OF FEEDBACK ON CURRICULUM (CONSOLIDATED)

ACADEMIC YEAR (2021-22)

List of Programs/Methods/Activities conducted to implement recommendations	(ADD* List of department activities / remedial class/ Add-on program/Advanced learning details)
PLC Training Program	A workshop on PLC was conducted by the department
Circuit Simulation Contests	A circuit Simulation contest was conducted so as to enable the students to design and analysis the electronics ckt. Date : July '21.

For
Signature of HoD
S. Sundararajam

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FEDERAL INSTITUTE OF SCIENCE AND TECHNOLOGY (FISAT)[®]

Department of **Mechanical Engineering**

Academic Year : **2021-22**

FEDERAL INSTITUTE OF SCIENCE AND TECHNOLOGY (FISAT)[®]

ACTION TAKEN REPORT OF FEEDBACK ON CURRICULUM (CONSOLIDATED)

ACADEMIC YEAR 2021-22

List of Programs/methods/Activities Conducted to implement recommendations	(ADD " List of department activities /remedial class/ Add on program /Advanced learning details"
	<ol style="list-style-type: none">1. Add on courses conducted on Excel, PLC and ANSYS2. Introduction to FAB activities.




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FEDERAL INSTITUTE OF SCIENCE AND TECHNOLOGY (FISAT)[®]

Department of **Mechanical Engineering**

Academic Year : **2021-22**

FEDERAL INSTITUTE OF SCIENCE AND TECHNOLOGY (FISAT)[®]

Department: Mechanical Engineering
Academic Year:2021-22

Action to be taken

Department recommendations based on Analysis:

1. Add on courses for enhancing modern tool usage of students.
2. Promote students to attend international conferences to bridge gap between research and industry.
3. Encourage attending industrial internship/workshops.



Signature of HoD

Dr.SUMANLAL M R
PROFESSOR & HOD
Mechanical Engineering
FISAT