



SurTech

Dr. Sudhir Chandra Sur Institute of Technology and Sports Complex

(Formerly Known as Dr. Sudhir Chandra Sur Degree Engineering College)

540, DumDum Road, Surer Math (Near Dum Dum Jn. Station), Kolkata-700074

Phone: +91 22 25603889, 25603898, 65330375

Website: www.surtech.edu.in; Email: info@dsec.ac.in

Ref No : DSCSITSC/PRIN/IQAC/2022-23/2

Date: 05-01-2023

Action Taken Report against the last meeting of IQAC Committee held on 06/07/2022

Agenda	Resolution	Action taken
Agenda01: Approval of IQAC meeting held on 10/02/2022.	Principal sir invited all the individuals and welcomed within the assembly. Mr. Vivek Shaw checked on the minutes of the past assembly held on 10/02/2022	Noted
Agenda02: To note and ratify the action taken report on the last IQAC meeting.	The action taken report is presented before IQAC members.	Noted.
Agenda 3: Review of R&D Activities for Academic Year 2021-22	A detailed presentation on the Research and Development activities of the last academic year was provided, including research grants received from government and non-governmental agencies.	<ul style="list-style-type: none"> ➤ Publications in SCIE/SCOPUS/Web of Science Journal for the Year 2021-22: 11 The details are attached as Annexure I ➤ Publications in Book Chapter for the Year 2021-22: 06 The details are attached as Annexure II ➤ The total grants received from government agencies is 1 Lakh ➤ The total grants received from non-governmental agencies is 0.85 Lakh The details are attached as Annexure III
Agenda 4: Placement and Higher Education Statistics with Training Impact	An analysis of placement statistics, higher education statistics, and the impact of training on student placements was presented to the members. The improvements in student performance due to placement training were highlighted.	Initiative taken for further improvement

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		2021-22																
		Total Students	457															
		Placed Students	366															
		Training Attendance Percentage	85															
		Placed %	80.09															
		Higher Education %	6.8															
<p>Agenda 5: University Curriculum Modification based on Stakeholders Feedback</p>	<p>Depending upon the feedback taken from different stakeholders like Students, Alumni, Faculty and Employers few changes are proposed by the Departmental Academic Committee (DAC), which is forwarded by the Academic Committee (AC) to IQAC for further proceedings.</p>	<p>The IQAC accordingly has taken necessary steps for correspondence to MAKAUT through a letter, dated 20/07/2022, for incorporating the following topics in the present curriculum for better understanding and realization of subject matters.</p>	<table border="1"> <thead> <tr> <th>Dept. Name</th> <th>Subject</th> </tr> </thead> <tbody> <tr> <td>AUE</td> <td>Solar vehicle</td> </tr> <tr> <td>ECE</td> <td>Machine learning with Python</td> </tr> <tr> <td>ME</td> <td>Uses of MATLAB</td> </tr> <tr> <td>CE</td> <td>Uses of ETABS</td> </tr> <tr> <td>EE</td> <td>PLC SCADA</td> </tr> <tr> <td>CSE</td> <td>Ethical Hacking</td> </tr> </tbody> </table>		Dept. Name	Subject	AUE	Solar vehicle	ECE	Machine learning with Python	ME	Uses of MATLAB	CE	Uses of ETABS	EE	PLC SCADA	CSE	Ethical Hacking
Dept. Name	Subject																	
AUE	Solar vehicle																	
ECE	Machine learning with Python																	
ME	Uses of MATLAB																	
CE	Uses of ETABS																	
EE	PLC SCADA																	
CSE	Ethical Hacking																	
<p>Agenda 6: Faculty and Staff Development Programs</p>	<p>The progress of faculty and staff development programs, including attendance at FDPs and MDPs, financial assistance for conferences/workshops, and</p>	<p>Total number of teaching and non-teaching staff participating in Development Programmes for the year 2021-22 are 86.</p>																

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	Year	2021-22	
	Number of extension and outreach programs conducted by the institution	14	
Agenda 11: Academic Calendar 2022-23	The academic calendar for the academic session 2022-23 was presented and reviewed during the meeting.		It is followed as instructed.
Agenda 12: Academic and Administrative Audit(AAA)	Academic and Administrative Audit will be conducted for various departments for the last academic year.		It is executed according to the schedule. The details of the AAA for the year 2021-22 are attached as Annexure IX.
Agenda 13: Result Analysis for last Academic Year	A comprehensive analysis of the results for the Odd semester 2021-22 across all departments was presented. Actions taken for students who secured poor marks were also explained. The discussion concluded with resolutions on further steps to improve student performance.		Initiative taken.

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ANNEXURE I

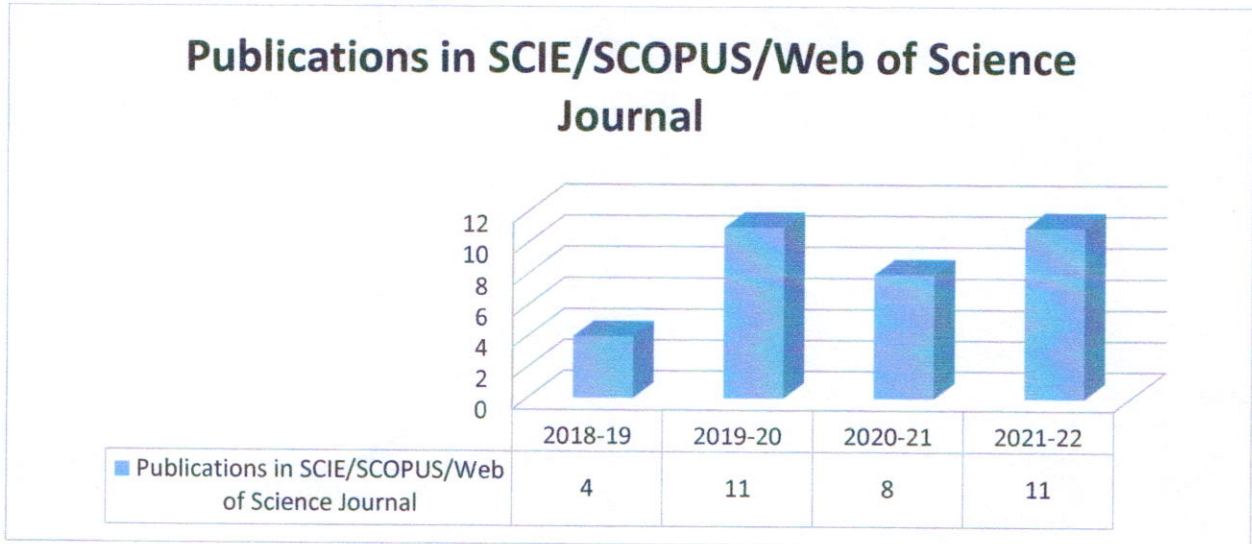



Figure: Comparison in Publications in SCIE/SCOPUS/Web of Science Journal

Table: Publications in SCIE/SCOPUS/Web of Science Journal
Details in the year 2021-22

Title of paper	Name of the author/s	Name of journal	ISSN number
Atrous convolution aided integrated framework for lung nodule segmentation and classification	Amitava Halder	Biomedical Signal Processing and Control	1746-8108
MM-CCNB: Essential protein prediction using MAX-MIN strategies and compartment of common neighboring approach	Anjan Kumar Payra	Computer Methods and Programs in Biomedicine	0169-2607
A Framework for Emotion Detection using Open Source Computer Vision and Convolutional Neural Network	Madhusmita Mishra	International Journal of Engineering Research and Applications	2248-9622
Performance Assessment of Smart Dynamic Controller for Variable CCT White LED Light Source – A SVM-based Approach	Rinku Supakar	Science and Technology Journal	2321-3388
A deep learning based model using RNN-LSTM for the Detection of Schizophrenia from EEG data	Rinku Supakar	Computers in Biology and Medicine	0010-4825


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Copper Ion Irradiated SnO ₂ Quantum Dots for Higher Electroluminescence in Nano Light Emitting Device	Abhigyan Ganguly	IEEE Sensors Letters	2475-1472
Copper doped ZnS quantum dots as sensitizer in solar cell	Abhigyan Ganguly	Optoelec. And Adv. Mat.-Rapid Communications	1842-6573
Covid-Combat: A Sentiment Analysis based SolutionFramework to Derive the Social	Anirbit Sengupta	NeuroQuantology	1303-5150
An IoT-enabled Agricultural Gadget to Measure Growth of Jackfruit using 2-axis JoyStick	Anirbit Sengupta	IEEE Instrumentation & Measurement Magazine	1941-0123
Plasmon induced quantified agglomeration of SiO ₂ nanoparticles to improve in efficiency in solar cell	Saradindu Panda	Journal of Ovonic Research	1584-9953
Designing PID Controller Using improved Differential-Pole-clustering Approach of Model Order Reduction Techniques	Rumrum Banerjee	Journal of Engineering Rescearch	1885-2307


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ANNEXURE II

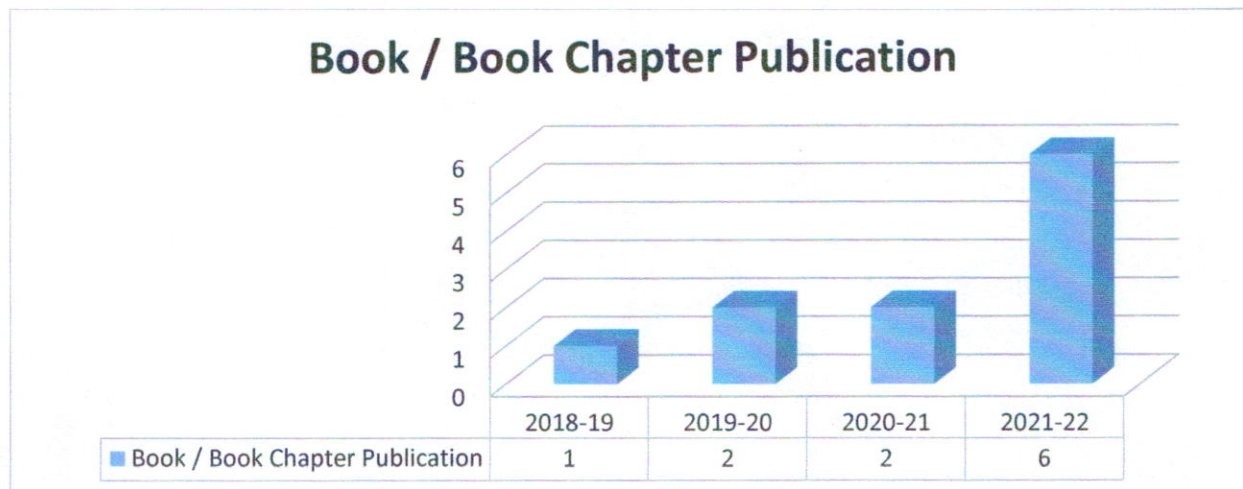


Figure: Comparison in Publications in Book / Book Chapter
Table: Publications in Book / Book Chapter Details in the year 2021-22

Name of the teacher	Title of the paper	Title of the Proceedings of the Conference	ISBN number of the proceeding	Name of the publisher
Shefalika Ghosh Samaddar	Machine learning based data classification methods in cloud security using cloudlightning framework	2022 Seventh International Conference on Parallel, Distributed and Grid Computing (PDGC)	978-1-6654-5401-8	IEEE Xplore
Shefalika Ghosh Samaddar	Performance evaluation of state dependent queueing based geospatial mist-assisted cloud system for crime data visualisation	2022 3rd International Conference on Computing, Analytics and Networks (ICAN)	978-1-6654-9944-6	IEEE Xplore
Baibaswata Das	Design and Operation of Drip Irrigation System to Orchard by Using Stored Rain Water Through Solar Photovoltaic Water Pump	Proceedings of the International Conference on Computational Intelligence and Sustainable Technologies	978-981-16-6893-7	Springer Singapore
Baibaswata Das	Review on High-Performance Concrete by Replacing Conventional Cement with Fly Ash and Silica Fume	Proceedings of the International Conference on Computational Intelligence and Sustainable Technologies	978-981-16-6893-7	Springer Singapore
Baibaswata Das	Study of Various Methods and Technologies Used in Wastewater Treatment to Control Water Pollution	Proceedings of the International Conference on Computational Intelligence and Sustainable Technologies	978-981-16-6893-7	Springer Singapore
Souvik Chakraborty	Analysis of Rainwater Harvesting Method for Supply of Potable Water: A Case Study of Gosaba, South 24 Pargana, India	Advances in Green Electronics Technologies in 2023	978-1-80356-835-5	Intech Open


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ANNEXURE III

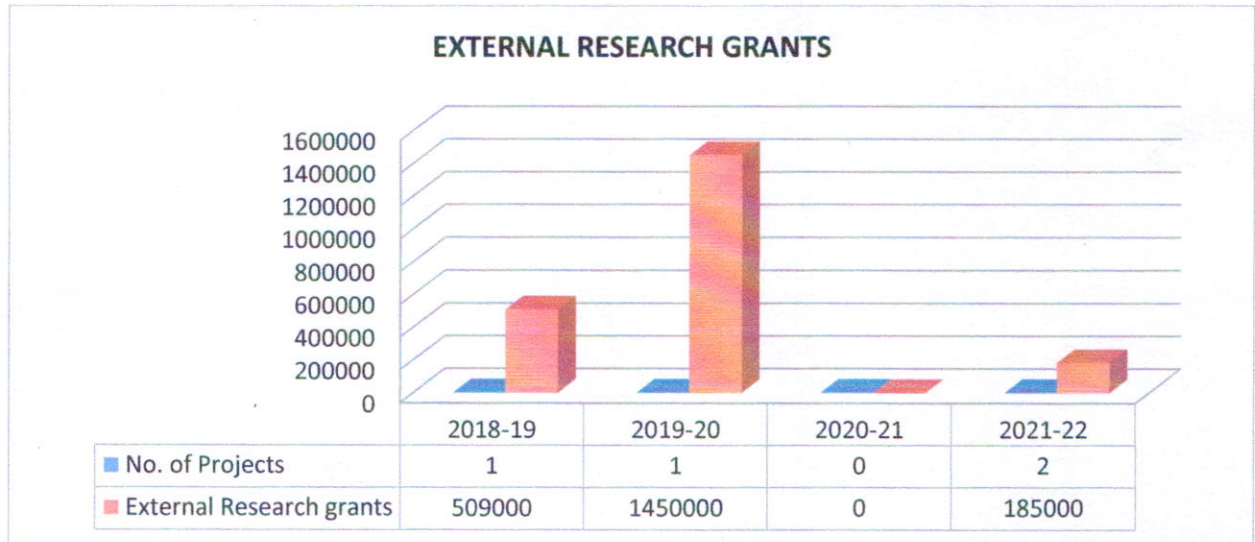


Figure: Comparison in EXTERNAL RESEARCH GRANTS

Table: EXTERNAL RESEARCH GRANTS Details in the year 2021-22

Name of the research project/ endowment	Name of the Principal Investigator/ Co-investigator	Year of Award	Amount Sanctioned	Duration of the project	Name of the Funding Agency	Type (Government/non-Government)
GreenBot: Timely Agricultural Information Dissemination in a village at open Indo-Bangladesh border (high security zone without Internet facility) for Monitoring and Execution for High Yielding regular Crops	Mrs. Rinku Supakar	2021-22	1.00	0.5 Year	UNNAT BHARAT ABHIYAN (UBA)	Government
Determination of Ground Water recharge by measuring annual rainfall in the Suburban area of Basirhat, North 24 Parganas	Mr. Souvik Chakraborty	2021-22	0.85	02 Years	AQUA TECH ENGINEERS	Non-government

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ANNEXURE IV

University Correspondence & VAC



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DSCSITSC/PRIN/2022-23/03A

Date: 20/07/2022

To

The Chairman
Board of Studies
Department of Automobile Engineering
MAKAUT, WB

SARADINDU
PANDA

Digitally signed by SARADINDU PANDA
DN: c=IN, o=PERSONAL,
pseudonym=50dc17bda7694c6faf2a681ef8cb299
e,
2.5.4.20=dc051023d5ef6eedc0adf77e0795389f77
04e418ab0283139cd404733ecdcd2d,
postalCode=700084, st=West Bengal,
serialNumber=89a2a0f5fedf43b7ecc8806032fe07
cfca4a8bce88543469bec7f95be812409f,
cn=SARADINDU PANDA
Date: 2024.04.28 11:31:01 +05'30'

Subject: Incorporating the changes in the curriculum based on the analysis of the feedback collected from stakeholders for the Academic Year, 2021-22

Respected Sir/Madam

Our institution would like to intimate the university about incorporating the changes in the curriculum. The institution has collected feedback on the curriculum from its stakeholders like Students, Faculty Members/Academicians, Alumni and Employer after completion of the semesters.

We are hereby attaching the copy of the feedback analysis and action taken report for your perusal.

Thanking you,

Regards,

fanda

PRINCIPAL, DSCSITSC
Dr. Sudhir Chandra Sur Institute
of Technology & Sports Complex
540 Dum Dum Rd, Kolkata-74



CC:

IQAC Coordinator
All HODs
TPO

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City Office: 7, Sarat Bose Road, Kolkata - 20, Phone: +91 33 2289 3944 / 2289 5323

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DSCSITSC/PRIN/2022-23/03B

Date: 20/07/2022

To

The Chairman
Board of Studies
Department of Civil Engineering
MAKAUT, WB

Subject: Incorporating the changes in the curriculum based on the analysis of the feedback collected from stakeholders for the Academic Year, 2021-22


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All HODs
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DSCSITSC/PRIN/2022-23/030

Date: 20/07/2022

To

The Chairman
Board of Studies
Department of Electronics & Communication Engineering
MAKAUT, WB

Subject: Incorporating the changes in the curriculum based on the analysis of the feedback collected from stakeholders for the Academic Year, 2021-22


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CC: IQAC Coordinator
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DSCSITSC/PRIN/2022-23/03D

Date: 20/07/2022

To

The Chairman
Board of Studies
Department of Electrical Engineering
MAKAUT, WB

Subject: Incorporating the changes in the curriculum based on the analysis of the feedback collected from stakeholders for the Academic Year, 2021-22

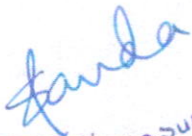
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DSCSITSC/PRIN/2022-23/03E

Date: 20/07/2022

To

The Chairman
Board of Studies
Department of Mechanical Engineering
MAKAUT, WB

Subject: Incorporating the changes in the curriculum based on the analysis of the feedback collected from stakeholders for the Academic Year, 2021-22


Respected Sir/Madam

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DSCSITSC/PRIN/2022-23/ 03F

Date:20/07/2022

To

The Chairman

Board of Studies

Department of Computer Science and Engineering

MAKAUT, WB

Subject: Incorporating the changes in the curriculum based on the analysis of the feedback collected from stakeholders for the Academic Year, 2021-22

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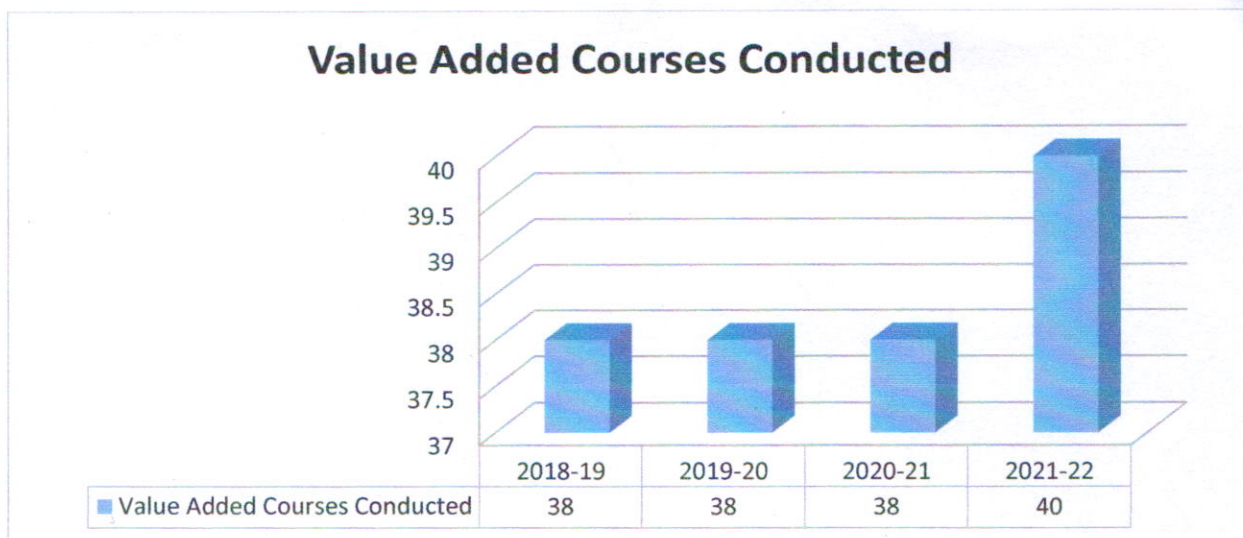
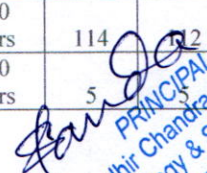


Figure: Comparison in Value Added Courses

Table: Value Added Courses Details in the year 2021-22

Name of Certificate/ Value added course offered and online courses of MOOCs, SWAYAM, NPTEL etc. where the students of the institution have enrolled and successfully completed	Course Code (if any)	Year of offering/ study	Period (from date - to date)	Duration of course	Number of students enrolled in the year	Number of Students completing the course in the year
ECM Design and Modification Technique	AUE/VAC/003	2021 - 2022	19-07-2021 - 23-07-2021	30 Hrs.	50	47
Design of Experiment and Analysis in Minitab Software	AUE/VAC/005	2021 - 2022	19-07-2021 - 23-07-2021	30 Hrs.	47	44
Internet of Vehicle	AUE/VAC/007	2021 - 2022	19-07-2021 - 23-07-2021	30 Hrs.	47	44
Thermochemistry of Reactive System	AUE/VAC/004	2021 - 2022	18-02-2022 - 24-02-2022	30 Hrs.	50	48
Introduction to Solar Vehicle	AUE/VAC/006	2021 - 2022	18-02-2022 - 24-02-2022	30 Hrs.	47	43
Autonomous Vehicle	AUE/VAC/008	2021 - 2022	18-02-2022 - 24-02-2022	30 Hrs.	47	43
Device Fabrication and Simulation	EC/VAC/003	2021 - 2022	19-07-2021 - 23-07-2021	30 Hrs	59	54
Machine Learning using Python	EC/VAC/005	2021 - 2022	19-07-2021 - 23-07-2021	30 Hrs	106	100
Switching in Network Security	EC/VAC/007	2021 - 2022	19-07-2021 - 23-07-2021	30 Hrs	114	110
Data Handling with Python Programming	EC/VAC/004	2021 - 2022	18-02-2022 - 24-02-2022	30 Hrs	59	55
Design and Analysis of Antenna Structures	EC/VAC/006	2021 - 2022	18-02-2022 - 24-02-2022	30 Hrs	106	106
DevOps and CI/CD Pipeline	EC/VAC/008	2021 - 2022	18-02-2022 - 24-02-2022	30 Hrs	114	112
Simulation with HFSS	EC/VAC/003(M.Tech)	2021 - 2022	19-07-2021 - 23-07-2021	30 Hrs	5	5


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3d Drawing & Modelling Workflow Through AutoCAD 3D	CE/VAC/003	2021 - 2022	19-07-2021 - 23-07-2021	30 Hrs.	49	43
AR & VR Workflow Through Revit & Horizontal & Vertical Angle & Distance Measurement Process Through Total	CE/VAC/005	2021 - 2022	19-07-2021 - 23-07-2021	30 Hrs.	57	51
Fem Structure Analysis Using SAP 2000	CE/VAC/007	2021 - 2022	19-07-2021 - 23-07-2021	30 Hrs.	55	50
3D modelling and rendering using GOOGLE SKETCHUP	CE/VAC/004	2021 - 2022	18-02-2022 - 24-02-2022	30 Hrs.	49	45
Analysis of building & steel frame structure using ETABS	CE/VAC/006	2021 - 2022	18-02-2022 - 24-02-2022	30 Hrs.	57	49
Slope stability analysis using STEDWIN	CE/VAC/008	2021 - 2022	18-02-2022 - 24-02-2022	30 Hrs.	55	49
Part design using Autodesk Inventor	ME/VAC/003	2021 - 2022	19-07-2021 - 23-07-2021	30 Hrs.	29	28
Differential gear using Autodesk	ME/VAC/005	2021 - 2022	19-07-2021 - 23-07-2021	30 Hrs.	82	80
MATLAB for engineers	ME/VAC/007	2021 - 2022	19-07-2021 - 23-07-2021	30 Hrs.	100	98
Part design using Autodesk SolidWorks	ME/VAC/004	2021 - 2022	18-02-2022 - 24-02-2022	30 Hrs.	29	27
Mechanism design using Autodesk inventor	ME/VAC/006	2021 - 2022	18-02-2022 - 24-02-2022	30 Hrs.	82	82
System Dynamics using MATLAB	ME/VAC/008	2021 - 2022	21.02.2022 to 25.02.2022	30 Hrs.	100	100
Optimization Techniques	ME/VAC/003(M.Tech)	2021 - 2022	19-07-2021 - 23-07-2021	30 Hrs.	11	10
AUTOCAD	EE/VAC/003	2021 - 2022	15-07-2021-19-07-2021	30 Hrs.	55	49
PVSYST	EE/VAC/005	2021 - 2022	15-07-2021-19-07-2021	30 Hrs.	56	51
PLC SCADA	EE/VAC/007	2021 - 2022	15-07-2021-19-07-2021	30 Hrs.	52	48
ANSYS	EE/VAC/004	2021 - 2022	20-02-2022-26-02-2022	30 Hrs.	55	52
PYTHON	EE/VAC/006	2021 - 2022	20-02-2022-26-02-2022	30 Hrs.	56	48
PSCAD	EE/VAC/008	2021 - 2022	20-02-2022-26-02-2022	30 Hrs.	52	49
Search Engine Optimization with Google Analytics & AMP; Web Master Tools	CSE/VAC/003	2021 - 2022	19-07-2021 - 23-07-2021	30 Hrs	186	178
Mobile Application Development	CSE/VAC/005	2021 - 2022	19-07-2021 - 23-07-2021	30 Hrs	66	62
Arduino with IOT	CSE/VAC/007	2021 - 2022	19-07-2021 - 23-07-2021	30 Hrs	72	69
Ethical Hacking	CSE/VAC/004	2021 - 2022	18-02-2022 - 24-02-2022	30 Hrs	186	180
Introduction to Django	CSE/VAC/006	2021 - 2022	18-02-2022 - 24-02-2022	30 Hrs	66	64
Blockchain	CSE/VAC/008	2021 - 2022	18-02-2022 - 24-02-2022	30 Hrs	72	70
Part design using Autodesk Inventor	ROB/VAC/003	2021 - 2022	19-07-2021 - 23-07-2021	30 Hrs.	9	9
Part design using Autodesk SolidWorks	ROB/VAC/004	2021 - 2022	18-02-2022 - 24-02-2022	30 Hrs.	9	9

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ANNEXURE V

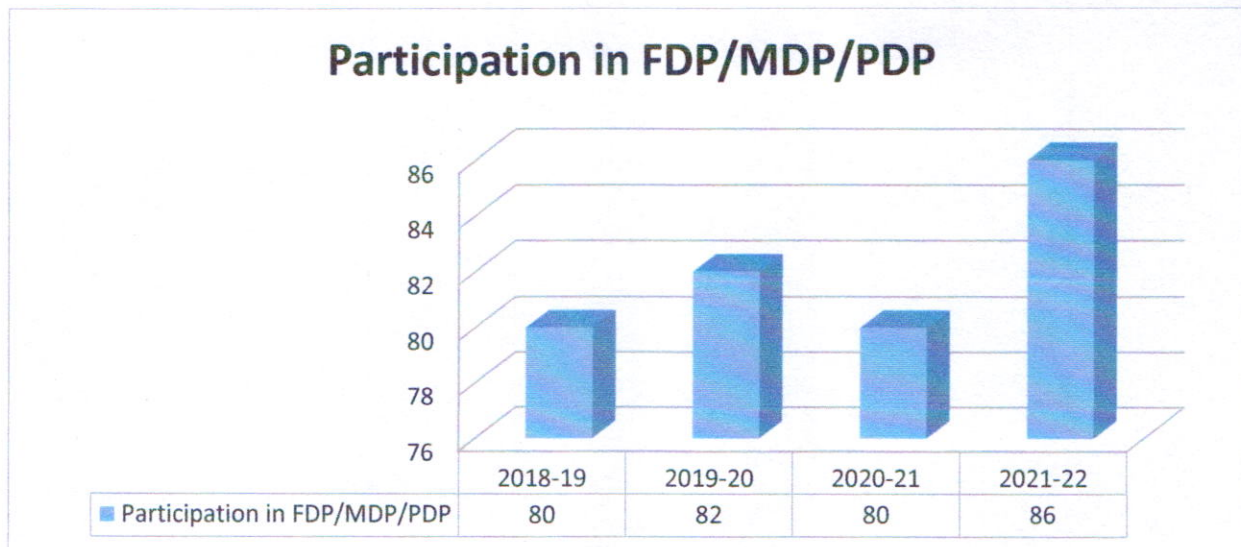
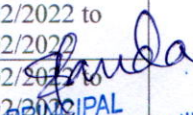


Figure: Participation Comparison in FDP/MDP/PDP

Table: Participation Details in this Academic Year

Year	Name of the participant	Designation	Title of the FDP /MDP/ professional development / administrative training program	Dates (from-to) (DD-MM-YYYY)
2021 - 2022	Budhhdeb Bhattacharya	Professor	FDP on Recent Advancement on Civil Engineering (REACH)	18/02/2022 to 24/02/2022
2021 - 2022	Sushovan Sarkar	Professor	FDP on Recent Advancement on Civil Engineering (REACH)	18/02/2022 to 24/02/2022
2021 - 2022	Abhijit Kundu	Associate Professor	FDP on Recent Advancement on Civil Engineering (REACH)	18/02/2022 to 24/02/2022
2021 - 2022	Biswabandhu Chatterjee	Associate Professor	FDP on Recent Advancement on Civil Engineering (REACH)	18/02/2022 to 24/02/2022
2021 - 2022	Baibaswata Das	Assistant Professor	FDP on Recent Advancement on Civil Engineering (REACH)	18/02/2022 to 24/02/2022
2021 - 2022	Krishnendu Kundu	Assistant Professor	FDP on Recent Advancement on Civil Engineering (REACH)	18/02/2022 to 24/02/2022
2021 - 2022	Souvik Chakraborty	Assistant Professor	FDP on Recent Advancement on Civil Engineering (REACH)	18/02/2022 to 24/02/2022
2021 - 2022	Sourav Kumar Singha	Assistant Professor	FDP on Recent Advancement on Civil Engineering (REACH)	18/02/2022 to 24/02/2022
2021 - 2022	Debasish Roy	Assistant Professor	FDP on Recent Advancement on Civil Engineering (REACH)	18/02/2022 to 24/02/2022


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2022				
2021 - 2022	Prasun Seal	Assistant Professor	FDP on Recent Advancement on Civil Engineering (REACH)	18/02/2022 to 24/02/2022
2021 - 2022	Nilanjana Banik	Assistant Professor	FDP on Recent Advancement on Civil Engineering (REACH)	18/02/2022 to 24/02/2022
2021 - 2022	Arindam Mukherjee	Assistant Professor	FDP on Alternative fuels for IC Engine	02/08/2021 to 06/08/2021
2021 - 2022	Shankha Ghosh	Assistant Professor	FDP on Renewable Energy – A future alternative	17/01/2022 to 21/01/2022
2021 - 2022	Kalyan Mukherjee	Assistant Professor	FDP on Alternative fuels: Biofuels	04/10/2021 to 08/10/2021
2021 - 2022	Sk. Tanbir Islam	Assistant Professor	FDP on Unconventional Machining Process	26/07/2021 to 02/08/2021
2021 - 2022	Pritam Bhattacharjee	Assistant Professor	FDP on Unconventional Machining Process	26/07/2021 to 02/08/2021
2021 - 2022	Mallika De	Professor	FDP on Digital Image processing using MATLAB	25/06/2022 to 30/06/2022
2021 - 2022	Shefalika Ghosh Samaddar	Professor	FDP on Digital Image processing using MATLAB	25/06/2022 to 30/06/2022
2021 - 2022	Arpita Saha Chowdhury	Assistant Professor	FDP on Digital Image processing using MATLAB	25/06/2022 to 30/06/2022
2021 - 2022	Rinku Supakar	Assistant Professor	FDP on Digital Image processing using MATLAB	25/06/2022 to 30/06/2022
2021 - 2022	Madhusmita Mishra	Assistant Professor	FDP on Digital Image processing using MATLAB	25/06/2022 to 30/06/2022
2021 - 2022	Anjan Kumar Payra	Assistant Professor	FDP on Digital Image processing using MATLAB	25/06/2022 to 30/06/2022
2021 - 2022	Debdatta Chatterjee	Assistant Professor	FDP on Digital Image processing using MATLAB	25/06/2022 to 30/06/2022
2021 - 2022	Sanjoy Bhattacharjee	Assistant Professor	FDP on Digital Image processing using MATLAB	25/06/2022 to 30/06/2022
2021 - 2022	Ruchira Dutta	Assistant Professor	FDP on Digital Image processing using MATLAB	25/06/2022 to 30/06/2022
2021 - 2022	Rupan Panja	Assistant Professor	FDP on Digital Image processing using MATLAB	25/06/2022 to 30/06/2022
2021 - 2022	Amal Kumar Saha	Assistant Professor	FDP on Digital Image processing using MATLAB	25/06/2022 to 30/06/2022
2021	Bishal Das	Assistant	FDP on Digital Image processing using	25/06/2022 to 30/06/2022

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- 2022		Professor	MATLAB	30/06/2022
2021 - 2022	Somenath Kumar	Assistant Professor	FDP on Digital Image processing using MATLAB	25/06/2022 to 30/06/2022
2021 - 2022	Prathita Roy	Assistant Professor	Recent Advances in Control Systems - 2021	18/10/2021 to 22/10/2021
2021 - 2022	Kriti Mukherjee	Assistant Professor	FDP on Emerging Technologies in Artificial Intelligence, Data Science and Cyber Security	17/07/2021 to 21/07/2021
2021 - 2022	Anubrata Mondal	Assistant Professor	FDP on Emerging Technologies in Artificial Intelligence, Data Science and Cyber Security	17/07/2021 to 21/07/2021
2021 - 2022	Soumen Dhara	Assistant Professor	FDP on Emerging Technologies in Artificial Intelligence, Data Science and Cyber Security	17/07/2021 to 21/07/2021
2021 - 2022	Atreyee Kundu	Assistant Professor	FDP on Emerging Technologies in Artificial Intelligence, Data Science and Cyber Security	17/07/2021 to 21/07/2021
2021 - 2022	Anirban Chowdhury	Assistant Professor	FDP on Emerging Technologies in Artificial Intelligence, Data Science and Cyber Security	17/07/2021 to 21/07/2021
2021 - 2022	Aviroop Dewan	Assistant Professor	FDP on Emerging Technologies in Artificial Intelligence, Data Science and Cyber Security	17/07/2021 to 21/07/2021
2021 - 2022	Suvendu Mondal	Assistant Professor	FDP on Emerging Technologies in Artificial Intelligence, Data Science and Cyber Security	17/07/2021 to 21/07/2021
2021 - 2022	Indranil Kushary	Assistant Professor	FDP on Emerging Technologies in Artificial Intelligence, Data Science and Cyber Security	17/07/2021 to 21/07/2021
2021 - 2022	Arindam Banerjee	Assistant Professor	FDP on Additive Manufacturing	18/02/2022 to 24/02/2022
2021 - 2022	Arpita Dey	Assistant Professor	FDP on Additive Manufacturing	18/02/2022 to 24/02/2022
2021 - 2022	Rahul Kumar Prajapati	Assistant Professor	FDP on Additive Manufacturing	18/02/2022 to 24/02/2022
2021 - 2022	Subhasish Halder	Assistant Professor	FDP on Additive Manufacturing	18/02/2022 to 24/02/2022
2021 - 2022	Subhendu Pal	Assistant Professor	FDP on Additive Manufacturing	18/02/2022 to 24/02/2022
2021 - 2022	Arpita Chatterjee	Assistant Professor	FDP on Additive Manufacturing	18/02/2022 to 24/02/2022
2021 - 2022	Geetika Kumari Salwan	Assistant Professor	FDP on Additive Manufacturing	18/02/2022 to 24/02/2022
2021 - 2022	Pradeep Kumar Sharma	Assistant Professor	FDP on Additive Manufacturing	18/02/2022 to 24/02/2022

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2021 - 2022	Ruma Sen	Associate Professor	FDP on Additive Manufacturing	18/02/2022 to 24/02/2022
2021 - 2022	Sujoy Saha	Professor	FDP on Additive Manufacturing	18/02/2022 to 24/02/2022
2021 - 2022	Jayanta Si	Senior Technical Assistant	PDP on Microsoft office management utilities	19/07/2021 to 23/07/2021
2021 - 2022	Sandip Bhadra	Senior Technical Assistant	PDP on Microsoft office management utilities	19/07/2021 to 23/07/2021
2021 - 2022	Supriya Dhara	Junior Technical Assistant	PDP on Microsoft office management utilities	19/07/2021 to 23/07/2021
2021 - 2022	Papiya Nayek	Technical Assistant	PDP on Microsoft office management utilities	19/07/2021 to 23/07/2021
2021 - 2022	Soumita Banerjee	Technical Assistant	PDP on Microsoft office management utilities	19/07/2021 to 23/07/2021
2021 - 2022	Deepta Debnath	Technical Assistant	PDP on Microsoft office management utilities	19/07/2021 to 23/07/2021
2021 - 2022	Maheswar Das	Technical Assistant	PDP on Microsoft office management utilities	19/07/2021 to 23/07/2021
2021 - 2022	Sayani Roy	Technical Assistant	PDP on Microsoft office management utilities	19/07/2021 to 23/07/2021
2021 - 2022	Abhishek Bysack	Assistant System Administrator	PDP on Microsoft office management utilities	19/07/2021 to 23/07/2021
2021 - 2022	Manoj Kumar Pandey	Lab Attendant	PDP on Microsoft office management utilities	19/07/2021 to 23/07/2021
2021 - 2022	Mayukh Bairagi	Technical Assistant	PDP on Microsoft office management utilities	19/07/2021 to 23/07/2021
2021 - 2022	Pallabi Das	Technical Assistant	PDP on Microsoft office management utilities	19/07/2021 to 23/07/2021
2021 - 2022	Sanjib Sarkar	Lab Assistant	PDP on Microsoft office management utilities	19/07/2021 to 23/07/2021
2021 - 2022	Anupama Kumar Guha	Technical Assistant	PDP on Microsoft office management utilities	19/07/2021 to 23/07/2021
2021 - 2022	Jit Majumder	Technical Assistant	PDP on Microsoft office management utilities	19/07/2021 to 23/07/2021
2021 - 2022	Tanmoy Das	Technical Assistant	PDP on Microsoft office management utilities	19/07/2021 to 23/07/2021
2021 - 2022	Suparna Rej	Tele caller	PDP on Microsoft office management utilities	19/07/2021 to 23/07/2021

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2021 - 2022	Sayani Ghosh Saha	Marketing Executive	PDP on Microsoft office management utilities	19/07/2021 to 23/07/2021
2021 - 2022	Vivek Shaw	Assistant Professor	FDP on Research Methodology and Software Tools in Research	27/12/2021 to 31/12/2021
2021 - 2022	Pallabi Bose	Assistant Professor	FDP on Research Methodology and Software Tools in Research	27/12/2021 to 31/12/2021
2021 - 2022	Sukhendu Sadhukhan	Assistant Professor	FDP on Research Methodology and Software Tools in Research	27/12/2021 to 31/12/2021
2021 - 2022	A K Mukopad hay	Professor	FDP on Research Methodology and Software Tools in Research	27/12/2021 to 31/12/2021
2021 - 2022	Swapan Bhattacharya	Professor	FDP on Research Methodology and Software Tools in Research	27/12/2021 to 31/12/2021
2021 - 2022	Abhigyan Ganguly	Associate Professor	FDP on Research Methodology and Software Tools in Research	27/12/2021 to 31/12/2021
2021 - 2022	Supriyo Srimani	Associate Professor	FDP on Research Methodology and Software Tools in Research	27/12/2021 to 31/12/2021
2021 - 2022	Sangeeta Jana Mukhopadhyay	Associate Professor	FDP on Research Methodology and Software Tools in Research	27/12/2021 to 31/12/2021
2021 - 2022	Anirbit Sengupta	Assistant Professor	FDP on Research Methodology and Software Tools in Research	27/12/2021 to 31/12/2021
2021 - 2022	Ananya Banerjee	Assistant Professor	FDP on Research Methodology and Software Tools in Research	27/12/2021 to 31/12/2021
2021 - 2022	Debasmita Manna	Assistant Professor	FDP on Research Methodology and Software Tools in Research	27/12/2021 to 31/12/2021
2021 - 2022	Somnath Dasgupta	Assistant Professor	FDP on Research Methodology and Software Tools in Research	27/12/2021 to 31/12/2021
2021 - 2022	Somdutta Paul	Assistant Professor	FDP on Research Methodology and Software Tools in Research	27/12/2021 to 31/12/2021
2021 - 2022	Gautam kumar Das	Assistant Professor	FDP on Research Methodology and Software Tools in Research	27/12/2021 to 31/12/2021
2021 - 2022	Soumyendu Bhattacharjee	Assistant Professor	FDP on Research Methodology and Software Tools in Research	27/12/2021 to 31/12/2021
2021 - 2022	Pijush Dutta	Assistant Professor	FDP on Research Methodology and Software Tools in Research	27/12/2021 to 31/12/2021
2021 - 2022	Firoj Uddin SK	Assistant Professor	FDP on Research Methodology and Software Tools in Research	27/12/2021 to 31/12/2021
2021 - 2022	Bidisha Dobe	Assistant Professor	FDP on Research Methodology and Software Tools in Research	27/12/2021 to 31/12/2021

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2021 - 2022	Shasikant Dargar	Associate Professor	FDP on Research Methodology and Software Tools in Research	27/12/2021 to 31/12/2021
2021 - 2022	Om Prakash Sharma	Professor	FDP on Research Methodology and Software Tools in Research	27/12/2021 to 31/12/2021

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ANNEXURE VI

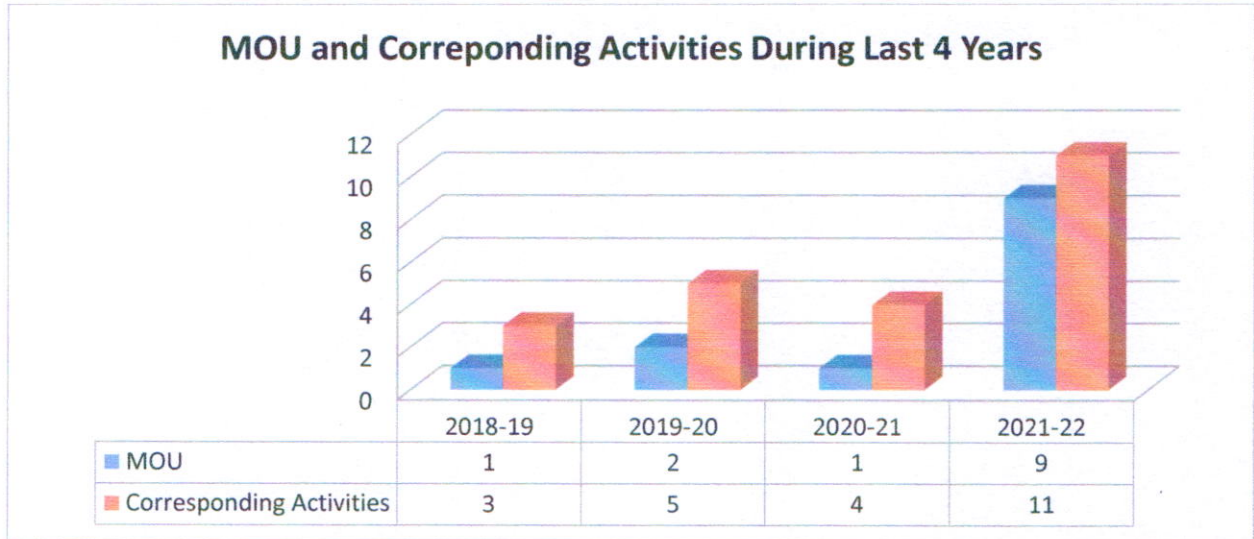
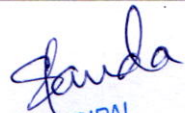


Figure: Comparison in MOU

Table: MOU Details in this Academic Year

Name of Company MoU With	Year of Signing MoU
Nikhil Bharat Shiksha Parishad	2021-22
Sikharthy Info-tech Private Limited	2021-22
Genex Engineering & Management Solutions	2021-22
LOGICZAP NEXTGEN TECHNOLOGY	2021-22
XVIOT TECHNOLOGIES PVT. LTD.	2021-22
INFOSYS	2021-22
EUREKA SCIENTECH RESEARCH FOUNDATION	2021-22
GAPCRUD PRIVATE LIMITED	2021-22
EUPHORIA GENX	2021-22


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ANNEXURE VII



Figure: Comparison in workshops/seminars/conferences on IPR

Table: Workshops/Seminars/Conferences on IPR Details in this Academic Year

Year	Name of the workshop/ seminar
2021-2022	"Elevating Ventures: Unveiling the Potential of Online Entrepreneurship"
2021-2022	Industrial Talk on Entrepreneurship Ideas on IOT Based Smart Device
2021-2022	Webinar on "Arduino: Revolutionizing Entrepreneurship with Real-World Applications"
2021-2022	Webinar : Techie Mind and IPR
2021-2022	Webinar on Sustainable Development By The Use of Green Technology in Metal Casting and Its Use in IPR
2021-2022	"Strategic Planning for Startups: Legal, Ethical, and Intellectual Property Considerations"
2021-2022	Webinar on Full Stack Development and Research Methodology
2021-2022	Webinar on Machine Learning
2021-2022	Webinar on Numerical Simulation And Modeling of Friction Stir Welding
2021-2022	Workshop on Machine Learning Using Python
2021-2022	Webinar on Energy Conservation


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ANNEXURE VIII

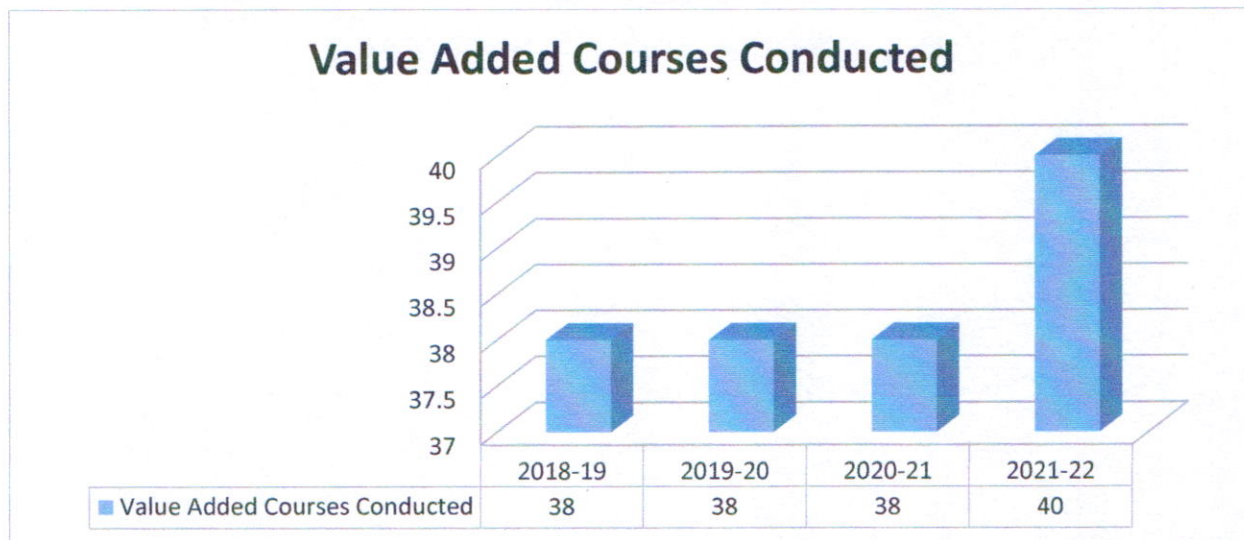
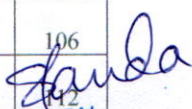


Figure: Comparison in Value Added Courses

Table: Value Added Courses Details in this Academic Year

Name of Certificate/ Value added course offered and online courses of MOOCs, SWAYAM, NPTEL etc. where the students of the institution have enrolled and successfully completed	Course Code (if any)	Year of offering/study	Period (from date - to date)	Duration of course	Number of students enrolled in the year	Number of Students completing the course in the year
ECM Design and Modification Technique	AUE/VAC/003	2021 - 2022	19-07-2021 - 23-07-2021	30 Hrs.	50	47
Design of Experiment and Analysis in Minitab Software	AUE/VAC/005	2021 - 2022	19-07-2021 - 23-07-2021	30 Hrs.	47	44
Internet of Vehicle	AUE/VAC/007	2021 - 2022	19-07-2021 - 23-07-2021	30 Hrs.	47	44
Thermochemistry of Reactive System	AUE/VAC/004	2021 - 2022	18-02-2022 - 24-02-2022	30 Hrs.	50	48
Introduction to Solar Vehicle	AUE/VAC/006	2021 - 2022	18-02-2022 - 24-02-2022	30 Hrs.	47	43
Autonomous Vehicle	AUE/VAC/008	2021 - 2022	18-02-2022 - 24-02-2022	30 Hrs.	47	43
Device Fabrication and Simulation	EC/VAC/003	2021 - 2022	19-07-2021 - 23-07-2021	30 Hrs	59	54
Machine Learning using Python	EC/VAC/005	2021 - 2022	19-07-2021 - 23-07-2021	30 Hrs	106	100
Switching in Network Security	EC/VAC/007	2021 - 2022	19-07-2021 - 23-07-2021	30 Hrs	114	110
Data Handling with Python Programming	EC/VAC/004	2021 - 2022	18-02-2022 - 24-02-2022	30 Hrs	59	55
Design and Analysis of Antenna Structures	EC/VAC/006	2021 - 2022	18-02-2022 - 24-02-2022	30 Hrs	106	106
DevOps and CI/CD Pipeline	EC/VAC/008	2021 - 2022	18-02-2022 - 24-02-2022	30 Hrs	114	114


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Simulation with HFSS	EC/VAC/003(M.Tech)	2021 - 2022	19-07-2021 - 23-07-2021	30 Hrs	5	5
3d Drawing & Modelling Workflow Through AutoCAD 3D	CE/VAC/003	2021 - 2022	19-07-2021 - 23-07-2021	30 Hrs.	49	43
AR & VR Workflow Through Revit & Horizontal & Vertical Angle & Distance Measurement Process Through Total	CE/VAC/005	2021 - 2022	19-07-2021 - 23-07-2021	30 Hrs.	57	51
Fem Structure Analysis Using SAP 2000	CE/VAC/007	2021 - 2022	19-07-2021 - 23-07-2021	30 Hrs.	55	50
3D modelling and rendering using GOOGLE SKETCHUP	CE/VAC/004	2021 - 2022	18-02-2022 - 24-02-2022	30 Hrs.	49	45
Analysis of building & steel frame structure using ETABS	CE/VAC/006	2021 - 2022	18-02-2022 - 24-02-2022	30 Hrs.	57	49
Slope stability analysis using STEDWIN	CE/VAC/008	2021 - 2022	18-02-2022 - 24-02-2022	30 Hrs.	55	49
Part design using Autodesk Inventor	ME/VAC/003	2021 - 2022	19-07-2021 - 23-07-2021	30 Hrs.	29	28
Differential gear using Autodesk	ME/VAC/005	2021 - 2022	19-07-2021 - 23-07-2021	30 Hrs.	82	80
MATLAB for engineers	ME/VAC/007	2021 - 2022	19-07-2021 - 23-07-2021	30 Hrs.	100	98
Part design using Autodesk SolidWorks	ME/VAC/004	2021 - 2022	18-02-2022 - 24-02-2022	30 Hrs.	29	27
Mechanism design using Autodesk inventor	ME/VAC/006	2021 - 2022	18-02-2022 - 24-02-2022	30 Hrs.	82	82
System Dynamics using MATLAB	ME/VAC/008	2021 - 2022	21.02.2022 to 25.02.2022	30 Hrs.	100	100
Optimization Techniques	ME/VAC/003(M.Tech)	2021 - 2022	19-07-2021 - 23-07-2021	30 Hrs.	11	10
AUTOCAD	EE/VAC/003	2021 - 2022	15-07-2021- 19-07-2021	30 Hrs.	55	49
PVSYST	EE/VAC/005	2021 - 2022	15-07-2021- 19-07-2021	30 Hrs.	56	51
PLC SCADA	EE/VAC/007	2021 - 2022	15-07-2021- 19-07-2021	30 Hrs.	52	48
ANSYS	EE/VAC/004	2021 - 2022	20-02-2022- 26-02-2022	30 Hrs.	55	52
PYTHON	EE/VAC/006	2021 - 2022	20-02-2022- 26-02-2022	30 Hrs.	56	48
PSCAD	EE/VAC/008	2021 - 2022	20-02-2022- 26-02-2022	30 Hrs.	52	49
Search Engine Optimization with Google Analytics & AMP; Web Master Tools	CSE/VAC/003	2021 - 2022	19-07-2021 - 23-07-2021	30 Hrs	186	178
Mobile Application Development	CSE/VAC/005	2021 - 2022	19-07-2021 - 23-07-2021	30 Hrs	66	62
Arduino with IOT	CSE/VAC/007	2021 - 2022	19-07-2021 - 23-07-2021	30 Hrs	72	69
Ethical Hacking	CSE/VAC/004	2021 - 2022	18-02-2022 - 24-02-2022	30 Hrs	186	180
Introduction to Django	CSE/VAC/006	2021 - 2022	18-02-2022 - 24-02-2022	30 Hrs	66	64
Blockchain	CSE/VAC/008	2021 - 2022	18-02-2022 - 24-02-2022	30 Hrs	72	70
Part design using Autodesk Inventor	ROB/VAC/003	2021 - 2022	19-07-2021 - 23-07-2021	30 Hrs.	9	9
Part design using Autodesk SolidWorks	ROB/VAC/004	2021 - 2022	18-02-2022 - 24-02-2022	30 Hrs.	9	9

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ANNEXURE IX

Dr. Sudhir Chandra Sur Institute of Technology and Sports Complex



Sur**Tech**

Action Taken Report on Academic & Administrative Audit Report for Academic Year: 2021-22

Sl. No.	Department
1	Department of Automobile Engineering
2	Department of Civil Engineering
3	Department of Computer Science and Engineering
4	Department of Electronics and Communication Engineering
5	Department of Electrical Engineering
6	Department of Mechanical Engineering

Department of Automobile Engineering

Action Taken Report

on

Academic & Administrative Audit

for

Academic Year: 2021-22



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The Action Taken Report for the Academic and Administrative Audit of the Department of Automobile Engineering is as follows:

Action Taken Report	
Department of Automobile Engineering	
Audit for Academic Year: 2021-22	
Plan of Actions for Academic Year: 2022-23	
Sl. No.	Actions Taken for Improvement
1	<p>Profile of Student</p> <p>Actions Taken</p> <ul style="list-style-type: none"> • Greater emphasis on securing placements, especially within core companies, along with the provision of training tailored to job requirements. • Enhanced engagement of students in research endeavors. <ul style="list-style-type: none"> • Promotion of increased participation of students in extracurricular and non-academic pursuits.
2	<p>Infrastructure of the Dept.</p> <p>Actions Taken</p> <ul style="list-style-type: none"> • Implementation of a Departmental Center of Excellence. • Amplification of Live Projects and Entrepreneurial endeavors.
3	<p>Activities of the Department</p> <p>Actions Taken</p> <ul style="list-style-type: none"> • Stimulation of greater participation in departmental events, meetings, and interactions with industries.
4	<p>Functioning of class/course committees</p> <p>Actions Taken</p> <ul style="list-style-type: none"> • The department ensures that the curriculum prescribed by the Maulana Abul Kalam Azad University of Technology (MAKAUT) is adequately maintained. This involves regularly reviewing and updating course content, learning objectives, and assessment methods to align with the latest academic standards and industry requirements.
5	<p>Schedule of Time Table</p> <p>Actions Taken</p> <ul style="list-style-type: none"> • The timetable should be flexible to accommodate various academic and extracurricular engagements.
6	<p>Attendance of Students</p> <p>Actions Taken</p> <ul style="list-style-type: none"> • Students with attendance below 75% will be ineligible for internal tests. • Parents should be regularly updated on their children's progress during Parent-Teacher Meetings.
7	<p>Quality of Projects</p> <p>Actions Taken</p>



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	<ul style="list-style-type: none">• Students should be motivated to undertake projects and ensure they are accompanied by high-quality publications.• Students should be inspired to take part in competitions related to projects, ideas, and models.
8	Conduct of Tutorial & Remedial Classes Actions Taken <ul style="list-style-type: none">• The tutorial and remedial classes. These classes are scheduled to provide additional support and assistance to students who may require extra help in understanding course material or improving their academic performance. By integrating tutorial and remedial classes into the timetable, the department ensures that students have access to resources and opportunities for personalized learning and academic support.
9	Syllabus Coverage as per Lesson/Course Plan Actions Taken <ul style="list-style-type: none">• It is essential for all subject instructors to ensure the comprehensive coverage of the syllabus according to the designated course/lesson plan.
10	Use of ICT enabled teaching methodologies Actions Taken <ul style="list-style-type: none">• Faculty members should integrate more technology-enabled instruction and digital courses.
11	Conduct of Practical Classes Actions Taken <ul style="list-style-type: none">• Both teachers and teaching assistants must ensure the proper fulfillment of the syllabus based on the course/lesson plan.
12	Evaluation of Students performance in practical classes Actions Taken <ul style="list-style-type: none">• Assessing students' ability to perform practical tasks accurately and effectively, including their demonstration of relevant skills and techniques.• Reviewing lab reports submitted by students, which may include observations, data collected, and analyses conducted during the practical session.
13	Maintenance of Course files Actions Taken <ul style="list-style-type: none">• Ensuring that course files are accessible to authorized personnel, such as instructors and administrators, while maintaining appropriate levels of security and privacy.• Managing versions of course files to track changes and revisions and to facilitate collaboration among stakeholders involved in course development and maintenance.
14	Students feedback on faculties Actions Taken <ul style="list-style-type: none">• Reviewing the feedback with the respective faculty members in a constructive and supportive manner, emphasizing areas of strength and areas needing improvement.• Collaborating with faculty members to develop action plans aimed at addressing the feedback received, setting specific goals and timelines for improvement.



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15	Conduct of Seminar/Workshop/FDP/Conferences Actions Taken <ul style="list-style-type: none">• There should be an increase in the organization of seminars, workshops, model-making competitions, and innovative idea competitions. Faculty members should receive encouragement to participate in more Faculty Development Programs (FDPs) and workshops focused on outcome-based teaching, learning, and research activities.
16	Performance of Students in Previous academic year results Actions Taken <ul style="list-style-type: none">• Thoroughly analyzing the academic results to identify trends, patterns, and areas of concern, such as courses with low pass rates or subjects where students struggled.• Providing faculty members with professional development opportunities focused on enhancing teaching effectiveness, incorporating active learning strategies, and implementing assessment methods that support student success.
17	Research Activities by Faculty members Actions Taken <ul style="list-style-type: none">• Educators should be motivated to produce high-quality publications in respected journals and books.• Faculty members should be incentivized to generate a greater number of patents.• Educators should consider engaging in more projects and consultancies in collaboration with industries.

Principal

Prof. (Dr.) Saradindu Panda

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Department of Civil Engineering

Action Taken Report
on
Academic & Administrative Audit
for
Academic Year: 2021-22



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Based on the above two audits (Internal and External) institute takes some action to implement the overcome the shortcoming of the institution in ATR (Action Taken Report) sign by the Principal of the Institution.

ACTION TAKEN REPORT FORMAT 2021-2022

Sl. No.	Actions Taken for Improvement
1	<p>Profile of Student Actions Taken</p> <ul style="list-style-type: none">• Active Engagement in Assigned Projects: The student actively participates in project works assigned by their educational institution. These projects are not merely about completing assignments but are designed to cultivate essential skills such as creativity, critical thinking, problem-solving, and innovation.• Regular Special and BCT Classes: Special classes, as well as classes focused on Beyond Curriculum Training (BCT) classes, are conducted regularly to enhance students' performance in various competitive exams.
2	<p>Infrastructure of the Dept. Actions Taken</p> <ul style="list-style-type: none">• Improvements in ICT-based Classrooms: The department invests in modernizing ICT-based classrooms to create better learning environments for students.• Quality Books and Journals in Libraries: The central and departmental libraries are stocked with high-quality books and journals relevant to the field of study.• Development of Collaboration Skills: By engaging in project works, the student also has the opportunity to collaborate with peers, honing their teamwork and communication skills.
3	<p>Activities of the Department Actions Taken</p> <ul style="list-style-type: none">• Expansion of Student Enrichment Programs: The department has broadened its spectrum of student enrichment programs, transcending the boundaries of the conventional curriculum. These programs encompass diverse activities such as workshops, seminars, conferences, skill-building sessions, leadership development programs, and community engagement initiatives. By actively participating in these activities, students not only gain valuable experiences but also acquire new skills and broaden their perspectives beyond the confines of the classroom environment.



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	<ul style="list-style-type: none">• More Collaboration with Industries: The department has actively pursued collaborations with industries to foster mutually beneficial partnerships. These collaborations may involve joint research projects, technology transfer initiatives, sponsored research, consultancy services, or industry-sponsored scholarships and awards. By working closely with industries, the department aims to address industry needs, promote innovation, and enhance the employability of its graduates.• Publication of Wall Magazines and Newsletters: The department prudently disseminates information through the regular publication of wall magazines and newsletters. These publications serve as invaluable platforms for showcasing the achievements of both students and faculty members, providing insights into departmental activities, highlighting on-going research initiatives, and disseminating other pertinent information.
4	<p>Functioning of class/course committees Actions Taken</p> <ul style="list-style-type: none">• Proper Maintenance of MAKAUT Curriculum: The department ensures that the curriculum prescribed by the Maulana Abul Kalam Azad University of Technology (MAKAUT) is adequately maintained. This involves regularly reviewing and updating course content, learning objectives, and assessment methods to align with the latest academic standards and industry requirements.• Introduction of New Courses Beyond Curriculum: In addition to adhering to the prescribed MAKAUT curriculum, the department takes proactive steps to introduce new courses that go beyond the existing curriculum. These courses are designed to cater to emerging trends, technological advancements, and specialized areas of study not covered by the standard curriculum. By offering such courses, the department aims to provide students with diverse learning opportunities and enhance their competitiveness in the job market.
5	<p>Schedule of Timetable Actions Taken</p> <ul style="list-style-type: none">• Flexibility and Adaptability: The timetable is designed to be flexible and adaptable to accommodate changes, including faculty availability, unforeseen events, and student needs. Contingency plans are in place to address disruptions or adjustments during the semester, minimizing any negative impact on the overall schedule and academic progress.
6	<p>Attendance of Students Actions Taken</p>



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	<ul style="list-style-type: none">• Mentor-Mentee Meetings for Students: Students with low attendance are provided with counselling during Mentor-Mentee meetings. Mentors engage with students to understand the underlying reasons for their low attendance, providing support and offering guidance on strategies to improve attendance and academic performance.• Regular Parents-Teacher's Meetings: The department conducts regular Parents-Teacher meetings to keep parents informed about their wards' attendance status and academic progress.
7	<p>Quality of Projects Actions Taken</p> <ul style="list-style-type: none">• Encouragement to Represent Projects in Conferences: Students are actively encouraged and motivated to represent their projects in various conferences. This initiative aims to provide students with opportunities to showcase their research, share their findings with a wider audience, and gain valuable experience in presenting their work.• Focus on Student Publications: The department has focused on increasing the number of student publications in renowned journals and conference proceedings. This effort involves supporting students in conducting high-quality research, writing scholarly papers, and submitting their work to reputable academic publications and conference venues.
8	<p>Conduct of Tutorial & Remedial Classes Actions Taken</p> <ul style="list-style-type: none">• Enhanced Learning Opportunities: By organizing tutorial and remedial classes, the department ensures that students have access to enhanced learning opportunities beyond regular coursework. These sessions provide additional support to students, helping them overcome academic challenges and improve their overall performance in the course.• Interactive Learning Experiences: Special classes are designed to be interactive, engaging students in discussions and activities to deepen their understanding of the subject matter. Through these sessions, students actively participate in their learning process, fostering greater engagement and retention of information.



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9	<p>Syllabus Coverage as per Lesson/Course Plan</p> <p>Actions Taken</p> <ul style="list-style-type: none">• Discussion of Syllabus Coverage in DAC Meetings: The coverage of the syllabus is regularly discussed in the Departmental Academic Committee (DAC) meetings. During these meetings, faculty members review the progress of syllabus coverage across various courses and subjects. They discuss any challenges or concerns related to the pace of syllabus completion and strategize on how to ensure comprehensive coverage within the allocated time frame.• Arrangement of Extra Classes: Whenever necessary, extra classes are arranged to complete the syllabus within the stipulated time. These additional sessions are scheduled to provide students with the opportunity to cover any remaining topics or concepts that may not have been fully addressed during regular class hours.
10	<p>Use of ICT enabled teaching methodologies.</p> <p>Actions Taken</p> <ul style="list-style-type: none">• Emphasis on Active Classroom Interaction: The primary emphasis is placed on fostering active classroom interaction through a range of activities. These activities include research paper presentations, seminars, debates, group discussions, assignments, quizzes/tests/viva's, and laboratory work• Integration of IT-Enabled Learning Tools: Faculty members are incorporating a variety of IT-enabled learning tools, including PowerPoint presentations, video clips, audio systems, and online resources, alongside the traditional chalk and talk teaching method.• Establishment of Specialized Computer Laboratory: A specialized computer laboratory equipped with internet connectivity has been established to promote self-directed learning among students.• Implementation of Security Measures for Wi-Fi Users: Security measures have been implemented to safeguard Wi-Fi users, with access being regulated by the system administrator.



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11	<p>Conduct of Practical Classes</p> <p>Actions Taken</p> <ul style="list-style-type: none">• Evaluation of Students' Performance and Feedback: Instructors evaluate students' performance during the practical session, assessing their techniques, accuracy, and adherence to safety protocols. Constructive feedback is provided to students, identifying areas for improvement and reinforcing learning objectives.• Active Engagement of Students in Practical Tasks: Students are actively encouraged to participate in the practical tasks themselves, under the supervision of instructors. This hands-on approach allows students to apply theoretical knowledge from lectures, develop practical skills, and gain valuable experience in conducting experiments or tasks related to the subject matter.
12	<p>Evaluation of Students performance in practical classes</p> <p>Actions Taken</p> <ul style="list-style-type: none">• Performance Evaluation: Assessing students' ability to perform practical tasks accurately and effectively, including their demonstration of relevant skills and techniques.• Evaluation of Proficiency and Understanding: Students' proficiency in using equipment, conducting experiments, and interpreting results is evaluated. Instructors assess students' understanding of the underlying principles and concepts by examining their ability to apply theoretical knowledge to practical situations.• Feedback and Reflection: Instructors encourage students to reflect on their learning experiences and outcomes from the practical classes, promoting self-awareness and continuous improvement.
13	<p>Maintenance of Course files</p> <p>Actions Taken</p> <ul style="list-style-type: none">• Organization and Labelling: Course files are organized systematically with clear labelling and categorization for easy retrieval and reference. This ensures that relevant materials are easily accessible to instructors, administrators, and other authorized personnel.• Backup and Storage: Implementing backup procedures to prevent loss of course files, and storing them securely to maintain confidentiality and integrity.• Regular Updates: Course files are regularly updated to incorporate new materials, resources, or changes in curriculum or syllabus.• Version Control: Managing versions of course files to track changes and revisions and to facilitate collaboration among stakeholders involved in course development and maintenance.



14	<p>Students feedback on faculties</p> <p>Actions Taken</p> <ul style="list-style-type: none">• Review with Faculty Members: Reviewing the feedback with the respective faculty members in a constructive and supportive manner, emphasizing areas of strength and areas needing improvement.• Development of Action Plans: Collaborating with faculty members to develop action plans aimed at addressing the feedback received, setting specific goals and timelines for improvement. Action plans may include targeted strategies for enhancing teaching methods, communication skills, and overall effectiveness in addressing student needs.• Training and Support: Providing faculty members with training, resources, and support to enhance their teaching skills, communication abilities, and overall effectiveness. Professional development opportunities help faculty members acquire new knowledge and techniques to better meet the needs of their students.• Monitoring and Evaluation: Monitoring the progress of faculty members in implementing the action plans and evaluating the effectiveness of interventions based on subsequent student feedback and performance indicators.• Emphasis on Continuous Improvement: Emphasizing a culture of continuous improvement, where feedback from students is valued and used to inform on-going efforts to enhance the quality of teaching and learning experiences. By prioritizing student feedback, the department demonstrates its commitment to providing high-quality education and ensuring the success of its students.
15	<p>Conduction of Seminar/Workshop/FDP/Conferences</p> <p>Actions Taken.</p> <ul style="list-style-type: none">• Organization of Student Enrichment Programs: A good number of student enrichment programs such as seminars, webinars, workshops, and industry visits have been organized. These programs provide students with opportunities to enhance their knowledge, skills, and professional networks beyond the classroom.
16	<p>Performance of Students in Previous academic year results</p> <p>Actions Taken</p> <ul style="list-style-type: none">• Intervention and Support Programs: Implementing targeted intervention and support programs aimed at addressing specific academic challenges identified in the analysis, such as providing additional tutoring, study skills workshops, or academic advising services.• Curriculum Review and Adjustment: Reviewing the curriculum and instructional strategies to identify opportunities for improvement, ensuring alignment with learning outcomes, and making necessary adjustments to enhance student understanding and performance.• Faculty Development Initiatives: Providing faculty members with



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	<p>professional development opportunities focused on enhancing teaching effectiveness, incorporating active learning strategies, and implementing assessment methods that support student success.</p>
17	<p>Research Activities by Faculty members.</p> <p>Actions Taken</p> <ul style="list-style-type: none">• Facilitating Access to Funding Opportunities: The department facilitates access to both internal and external funding opportunities to support faculty research projects. This includes assisting faculty members in identifying relevant grants, fellowships, and research awards, as well as providing guidance and support throughout the application process.• Providing Research Infrastructure: Faculty members are provided with access to research facilities, equipment, laboratories, and resources necessary for conducting research across various disciplines. This ensures that they have the necessary tools and facilities to carry out their research effectively.• Encouraging Collaborative Initiatives: The department encourages interdisciplinary collaboration and partnerships among faculty members, departments, research centers, and external organizations. By fostering collaboration, faculty members can engage in innovative research projects and initiatives that leverage diverse expertise and resources.• Offering Professional Development Opportunities: Faculty members are offered professional development opportunities such as workshops, seminars, and conferences to enhance their research skills, methodologies, and scholarly dissemination strategies. These opportunities enable faculty members to stay updated with the latest developments in their field and improve their research practices.• Providing Administrative Support: Administrative assistance and support are provided to faculty members to facilitate grant applications, research project management, ethics approvals, and compliance with regulatory requirements. This ensures that faculty members can focus on their research activities without being burdened by administrative tasks.• Supporting Publication and Dissemination: Faculty members are supported in publishing their research findings in peer-reviewed journals, presenting at conferences, and disseminating their work to the academic community and broader public. This helps to showcase their research achievements and contribute to the advancement of knowledge in their respective fields.• Recognizing and Rewarding Research Achievements: Faculty members are recognized and rewarded for their research achievements, including publications, presentations, patents, and grants received. This recognition serves to motivate faculty members and incentivize continued excellence in research.• Facilitating Mentorship and Networking: Mentorship opportunities and networking events are facilitated to connect faculty members with senior researchers, industry experts, and funding agencies. This fosters career development and collaboration opportunities, enabling faculty members to expand their professional networks and enhance their research impact.• Promoting Research Ethics and Integrity: The department promotes



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	<p>research ethics and integrity by providing training, guidelines, and resources to ensure compliance with ethical standards and regulations in research conduct. This ensures that research activities are conducted ethically and with integrity.</p> <ul style="list-style-type: none">• Evaluation and Assessment: The impact and quality of faculty research activities are evaluated and assessed through metrics such as publications, citations, research outputs, external funding, and collaborations. This helps to gauge the effectiveness of research efforts and identify areas for improvement.
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Principal of the Institution
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Department of Computer Science and Engineering

**Action Taken Report
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Academic Year: 2021-22**



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ACTION TAKEN REPORT FORMAT

Sl. No.	Actions Taken for Improvement
1	<p>Profile of Student</p> <p>Actions Taken</p> <ul style="list-style-type: none">• Students are provided with more project works to encourage their participation in various national and regional competitions.• Special classes, as well as classes focused on Beyond Curriculum Training (BCT) classes, are conducted regularly to enhance students' performance in various competitive exams.
2	<p>Infrastructure of the Dept.</p> <p>Actions Taken</p> <ul style="list-style-type: none">• Upgrades and enhancements are made to the ICT-based classrooms to provide better learning environments for students.• Efforts are made to optimize the utilization of the project laboratory within the department.• The central and departmental libraries are stocked with high-quality books and journals relevant to the field of study.
3	<p>Activities of the Department</p> <p>Actions Taken</p> <ul style="list-style-type: none">• The department has expanded its offerings of student enrichment programs. These programs aim to provide students with opportunities for personal and academic growth beyond the traditional curriculum.• Efforts have been made to strengthen ties between the department and various industries. This could involve organizing industry visits, inviting industry professionals for guest lectures or workshops, facilitating internships and placements, and establishing collaborative research projects with industry partners.• The department has actively pursued collaborations with industries to foster mutually beneficial partnerships.• The department regularly publishes wall magazines and newsletters to showcase student achievements, departmental activities, research initiatives, and other relevant information.
4	<p>Functioning of class/course committees</p> <p>Actions Taken</p> <ul style="list-style-type: none">• The department ensures that the curriculum prescribed by the Maulana Abul Kalam Azad University of Technology (MAKAUT) is adequately maintained.• In addition to adhering to the prescribed MAKAUT curriculum, the department takes proactive steps to introduce new courses that go beyond the existing curriculum.
5	<p>Schedule of Timetable</p> <p>Actions Taken</p> <ul style="list-style-type: none">• The department ensures that the timetable is effectively managed and maintained. This involves creating a schedule that accommodates all classes, lectures, practical sessions, and other academic activities in an organized and efficient manner.



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6	<p>Attendance of Students: Actions Taken</p> <ul style="list-style-type: none">• Students with low attendance are provided with counseling during Mentor-Mentee meetings. Mentors engage with students to understand the reasons for their low attendance, offer support, and provide guidance on how to improve attendance and academic performance.• The department conducts regular Parents-Teacher's meetings to inform parents about the attendance status and academic progress of their wards. During these meetings, teachers discuss students' attendance records, performance in assessments, and any concerns or areas needing improvement.
7	<p>Quality of Projects Actions Taken</p> <ul style="list-style-type: none">• Students are encouraged and motivated to represent their projects in various conferences. This initiative provides students with opportunities to showcase their research, share their findings with a wider audience, and gain valuable experience in presenting their work.• The department has focused on increasing the number of student publications in renowned journals and conference proceedings. This effort involves supporting students in conducting high-quality research, writing scholarly papers, and submitting their work to reputable academic publications and conference venues.
8	<p>Conduct of Tutorial & Remedial Classes Actions Taken</p> <ul style="list-style-type: none">• The department allocates specific time slots in the timetable for tutorial and remedial classes. These classes are scheduled to provide additional support and assistance to students who may require extra help in understanding course material or improving their academic performance.• In addition to regular coursework, the department conducts special classes on a regular basis. These classes may focus on specific topics, concepts, or skills that require further explanation or reinforcement.
9	<p>Syllabus Coverage as per Lesson/Course Plan Actions Taken</p> <ul style="list-style-type: none">• The coverage of the syllabus is regularly discussed in the Departmental Academic Committee (DAC) meetings. During these meetings, faculty members review the progress of syllabus coverage across various courses and subjects.• Whenever necessary, extra classes are arranged to complete the syllabus within the stipulated time. These additional sessions are scheduled to provide students with the opportunity to cover any remaining topics or concepts that may not have been fully addressed during regular class hours.
10	<p>Use of ICT enabled teaching methodologies: Actions Taken</p> <ul style="list-style-type: none">• Faculty members are incorporating a variety of IT-enabled learning tools, including PowerPoint presentations, video clips, audio systems, and online resources, alongside the traditional chalk and talk teaching method.• The primary emphasis is placed on fostering active classroom interaction.



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	<p>through a range of activities such as research paper presentations, seminars, debates, group discussions, assignments, quizzes/tests/vivas, and laboratory work.</p> <ul style="list-style-type: none">• A specialized computer laboratory equipped with internet connectivity has been established to promote self-directed learning among students.• Security measures have been implemented to safeguard Wi-Fi users, with access being regulated by the system administrator.
11	<p>Conduct of Practical Classes</p> <p>Actions Taken</p> <ul style="list-style-type: none">• Setting up necessary equipment, materials, and resources ahead of the class.• Demonstrating procedures, techniques, or experiments to the students, providing them with a clear understanding of what is expected.• Allowing students to actively engage in the practical tasks themselves, under supervision, to apply theoretical knowledge and develop practical skills.• Evaluating students' performance during the practical session, providing constructive feedback, and assessing their understanding and proficiency in the subject matter.
12	<p>Evaluation of Students performance in practical classes</p> <p>Actions Taken</p> <ul style="list-style-type: none">• Assessing students' ability to perform practical tasks accurately and effectively, including their demonstration of relevant skills and techniques.• Reviewing lab reports submitted by students, which may include observations, data collected, and analyses conducted during the practical session.• Evaluating students' proficiency in using equipment, conducting experiments, and interpreting results, as well as their understanding of the underlying principles and concepts.• Providing feedback to students on their performance, highlighting areas of strength and areas needing improvement, and encouraging reflection on their learning experiences and outcomes from the practical classes.
13	<p>Maintenance of Course files</p> <p>Actions Taken</p> <ul style="list-style-type: none">• Ensuring that course files are organized in a systematic manner, with clear labeling and categorization for easy retrieval and reference.• Regularly updating course files to incorporate new materials, resources, or changes in curriculum or syllabus.• Reviewing course files periodically to ensure accuracy, relevance, and alignment with learning objectives and standards.• Implementing backup procedures to prevent loss of course files, and storing them securely to maintain confidentiality and integrity.• Ensuring that course files are accessible to authorized personnel, such as instructors and administrators, while maintaining appropriate levels of security and privacy.• Managing versions of course files to track changes and revisions, and to facilitate collaboration among stakeholders involved in course



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	development and maintenance.
15	<p>Students feedback on faculties</p> <p>Actions Taken</p> <ul style="list-style-type: none">• Thoroughly analyzing the feedback provided by students to identify common themes, concerns, and areas for improvement.• Compiling and summarizing the feedback received from students for each faculty member, ensuring anonymity to encourage honest and constructive input.• Reviewing the feedback with the respective faculty members in a constructive and supportive manner, emphasizing areas of strength and areas needing improvement.• Collaborating with faculty members to develop action plans aimed at addressing the feedback received, setting specific goals and timelines for improvement.• Providing faculty members with training, resources, and support to enhance their teaching skills, communication abilities, and overall effectiveness in addressing student needs.• Monitoring the progress of faculty members in implementing the action plans, and evaluating the effectiveness of interventions based on subsequent student feedback and performance indicators.• Emphasizing a culture of continuous improvement, where feedback from students is valued and used to inform ongoing efforts to enhance the quality of teaching and learning experiences.
16	<p>Conduction of Seminar/Workshop/FDP/Conferences</p> <p>Actions Taken.</p> <ul style="list-style-type: none">• A good number of students enrichment programs such as Seminars/Webinars/Workshops/Industry visits have been organized.
17	<p>Performance of Students in Previous academic year results</p> <p>Actions Taken</p> <ul style="list-style-type: none">• Thoroughly analyzing the academic results to identify trends, patterns, and areas of concern, such as courses with low pass rates or subjects where students struggled.• Implementing targeted intervention and support programs aimed at addressing specific academic challenges identified in the analysis, such as providing additional tutoring, study skills workshops, or academic advising services.• Reviewing the curriculum and instructional strategies to identify opportunities for improvement, ensuring alignment with learning outcomes, and making necessary adjustments to enhance student understanding and performance.• Providing faculty members with professional development opportunities focused on enhancing teaching effectiveness, incorporating active learning strategies, and implementing assessment methods that support student success.
18	<p>Research Activities by Faculty members.</p> <p>Actions Taken</p>



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	<p>equipment, laboratories, and resources necessary for conducting research across various disciplines.</p> <ul style="list-style-type: none">• The department encourages interdisciplinary collaboration and partnerships among faculty members, departments, research centers, and external organizations.• Faculty members are offered professional development opportunities such as workshops, seminars, and conferences to enhance their research skills, methodologies, and scholarly dissemination strategies.• Administrative assistance and support are provided to faculty members to facilitate grant applications, research project management, ethics approvals, and compliance with regulatory requirements.
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Principal
Prof. Dr. Sudhir Chandra Sur Institute
of Technology & Sports Complex
540, DumDum Rd Kolkata-74
Dr. Sudhir Chandra Sur
540, DumDum Rd Kolkata-74

**Department of Electronics and Communication
Engineering**

**Action Taken Report
on
Academic & Administrative Audit
for
Academic Year: 2021-22**



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Based on the above two audits (Internal and External) institute takes some action to implement the overcome the shortcoming of the institution in ATR (Action Taken Report) sign by the Principal of the Institution.

ACTION TAKEN REPORT FORMAT

Sl. No.	Actions Taken for Improvement
1	<p>Profile of Student Actions Taken</p> <ul style="list-style-type: none"> • Increased Project Works: Students are provided with more project works to encourage their participation in various national and regional competitions. This hands-on approach helps students apply theoretical knowledge in practical settings, fostering creativity, problem-solving skills, and competitiveness. • Regular Special and BCT Classes: Special classes, as well as classes focused on Beyond Curriculum Training (BCT) classes, are conducted regularly to enhance students' performance in various competitive exams. These classes aim to strengthen students' understanding of key concepts, improve their problem-solving abilities, and boost their confidence for achieving better results in exams.
2	<p>Infrastructure of the Dept. Actions Taken</p> <ul style="list-style-type: none"> • Improvements in ICT-based Classrooms: Upgrades and enhancements are made to the ICT-based classrooms to provide better learning environments for students. This may include installing modern audiovisual equipment, interactive whiteboards, and other technology tools to facilitate effective teaching and learning experiences. • Better Utilization of Project Laboratory: Efforts are made to optimize the utilization of the project laboratory within the department. This could involve upgrading equipment, improving access to resources, and implementing efficient scheduling systems to ensure that students have ample opportunities to engage in hands-on project work and experimentation. • Quality Books and Journals in Libraries: The central and departmental libraries are stocked with high-quality books and journals relevant to the field of study. This ensures that students and faculty members have access to a wide range of academic resources to support their research, learning, and professional development needs.
3	<p>Activities of the Department Actions Taken</p> <ul style="list-style-type: none"> • Increased Number of Student Enrichment Programs: The department has expanded its offerings of student enrichment programs. These programs aim to provide students with opportunities for personal and academic growth beyond the traditional curriculum. They may include workshops, seminars, guest lectures, skill development sessions, and extracurricular activities. • Increased Number of Industry Interactions: Efforts have been made to strengthen ties between the department and various industries. This could involve organizing industry visits, inviting industry professionals for guest lectures or workshops, facilitating internships and placements, and establishing collaborative research projects with industry partners. These interactions help students gain real-world insights, industry exposure, and



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	<p>practical experience relevant to their field of study.</p> <p>More Collaborations with Industries: The department has actively pursued collaborations with industries to foster mutually beneficial partnerships. These collaborations may involve joint research projects, technology transfer initiatives, sponsored research, consultancy services, or industry-sponsored scholarships and awards. By working closely with industries, the department aims to address industry needs, promote innovation, and enhance the employability of its graduates.</p> <ul style="list-style-type: none">• Regular Publications of Wall Magazines and Newsletters: The department regularly publishes wall magazines and newsletters to showcase student achievements, departmental activities, research initiatives, and other relevant information. These publications serve as platforms for sharing updates, fostering communication within the department, and promoting a sense of community among students, faculty, staff, and stakeholders. They also contribute to enhancing the visibility and reputation of the department, both internally and externally.
4	<p>Functioning of class/course committees Actions Taken</p> <ul style="list-style-type: none">• Proper Maintenance of MAKAUT Curriculum: The department ensures that the curriculum prescribed by the Maulana Abul Kalam Azad University of Technology (MAKAUT) is adequately maintained. This involves regularly reviewing and updating course content, learning objectives, and assessment methods to align with the latest academic standards and industry requirements.• Introduction of New Courses Beyond Curriculum: In addition to adhering to the prescribed MAKAUT curriculum, the department takes proactive steps to introduce new courses that go beyond the existing curriculum. These courses are designed to cater to emerging trends, technological advancements, and specialized areas of study not covered by the standard curriculum. By offering such courses, the department aims to provide students with diverse learning opportunities and enhance their competitiveness in the job market.
5	<p>Schedule of Timetable Actions Taken</p> <ul style="list-style-type: none">• Proper Maintenance of Timetable: The department ensures that the timetable is effectively managed and maintained. This involves creating a schedule that accommodates all classes, lectures, practical sessions, and other academic activities in an organized and efficient manner. By properly maintaining the timetable, the department aims to optimize student and faculty schedules, minimize conflicts, and ensure smooth functioning of academic operations.



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6	<p>Attendance of Students Actions Taken</p> <ul style="list-style-type: none">• Counseling in Mentor-Mentee Meetings: Students with low attendance are provided with counseling during Mentor-Mentee meetings. Mentors engage with students to understand the reasons for their low attendance, offer support, and provide guidance on how to improve attendance and academic performance. This personalized approach aims to address underlying issues affecting student attendance and well-being.• Regular Parents-Teacher's Meetings: The department conducts regular Parents-Teacher's meetings to inform parents about the attendance status and academic progress of their wards. During these meetings, teachers discuss students' attendance records, performance in assessments, and any concerns or areas needing improvement. This communication between parents and teachers fosters collaboration and support in monitoring and addressing students' attendance issues effectively.
7	<p>Quality of Projects Actions Taken</p> <ul style="list-style-type: none">• Motivation to Represent Projects in Conferences: Students are encouraged and motivated to represent their projects in various conferences. This initiative provides students with opportunities to showcase their research, share their findings with a wider audience, and gain valuable experience in presenting their work. Participating in conferences also allows students to network with peers, professionals, and experts in their field, fostering collaboration and exposure to new ideas.• Increased Student Publications in Renowned Journals and Conference Proceedings: The department has focused on increasing the number of student publications in renowned journals and conference proceedings. This effort involves supporting students in conducting high-quality research, writing scholarly papers, and submitting their work to reputable academic publications and conference venues. By facilitating student publications, the department aims to promote academic excellence, contribute to the advancement of knowledge in the field, and enhance the reputation of both students and the department.
8	<p>Conduct of Tutorial & Remedial Classes Actions Taken</p> <ul style="list-style-type: none">• Allocation of Tutorial and Remedial Classes in the Timetable: The department allocates specific time slots in the timetable for tutorial and remedial classes. These classes are scheduled to provide additional support and assistance to students who may require extra help in understanding course material or improving their academic performance. By integrating tutorial and remedial classes into the timetable, the department ensures that students have access to resources and opportunities for personalized learning and academic support.• Conduction of Regular Special Classes: In addition to regular coursework, the department conducts special classes on a regular basis. These classes may focus on specific topics, concepts, or skills that require further explanation or reinforcement. Special classes are designed to provide students with in-depth understanding and practice in areas of difficulty, enhance their learning experience, and prepare them for academic challenges such as exams and assessments. Through the conduction of regular special classes, the department aims to promote student engagement, comprehension, and overall academic success.



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9	<p>Syllabus Coverage as per Lesson/Course Plan Actions Taken</p> <ul style="list-style-type: none">• Discussion of Syllabus Coverage in DAC Meetings: The coverage of the syllabus is regularly discussed in the Departmental Academic Committee (DAC) meetings. During these meetings, faculty members review the progress of syllabus coverage across various courses and subjects. They discuss any challenges or concerns related to the pace of syllabus completion
	<p>and strategize on how to ensure comprehensive coverage within the allocated time frame. By engaging in these discussions, the department aims to maintain alignment with academic standards and enhance the effectiveness of teaching and learning processes.</p> <ul style="list-style-type: none">• Arrangement of Extra Classes: Whenever necessary, extra classes are arranged to complete the syllabus within the stipulated time. These additional sessions are scheduled to provide students with the opportunity to cover any remaining topics or concepts that may not have been fully addressed during regular class hours. Extra classes may be conducted outside of the normal timetable or during designated study periods to accommodate students' needs and facilitate comprehensive learning. By arranging extra classes as needed, the department ensures that students have sufficient exposure to the curriculum and are adequately prepared for examinations and assessments.
10	<p>Use of ICT enabled teaching methodologies. Actions Taken</p> <ul style="list-style-type: none">• Integration of IT-Enabled Learning Tools: Faculty members are incorporating a variety of IT-enabled learning tools, including PowerPoint presentations, video clips, audio systems, and online resources, alongside the traditional chalk and talk teaching method. This approach enhances the teaching-learning process by leveraging multimedia resources to engage students, illustrate complex concepts visually, and cater to diverse learning styles.• Focus on Classroom Interaction: The primary emphasis is placed on fostering active classroom interaction through a range of activities such as research paper presentations, seminars, debates, group discussions, assignments, quizzes/tests/vivas, and laboratory work. These interactive sessions promote student engagement, critical thinking, collaboration, and knowledge application, thereby enriching the learning experience and facilitating deeper understanding of the subject matter.• Establishment of Specialized Computer Laboratory: A specialized computer laboratory equipped with internet connectivity has been established to promote self-directed learning among students. This dedicated facility provides students with access to computer-based resources, online databases, educational software, and internet resources, empowering them to explore topics independently, conduct research, and enhance their digital literacy skills.• Implementation of Security Measures for Wi-Fi Users: Security measures have been implemented to safeguard Wi-Fi users, with access being regulated by the system administrator. These measures may include password protection, encryption protocols, firewalls, and access controls to ensure the confidentiality, integrity, and availability of network resources. By implementing robust security measures, the department ensures a safe and secure online learning environment for students and faculty members alike.



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11	<p>Conduct of Practical Classes</p> <p>Actions Taken</p> <ul style="list-style-type: none">• Preparation: Setting up necessary equipment, materials, and resources ahead of the class.• Demonstration: Demonstrating procedures, techniques, or experiments to the students, providing them with a clear understanding of what is expected.• Hands-on Experience: Allowing students to actively engage in the practical tasks themselves, under supervision, to apply theoretical knowledge and develop practical skills.• Assessment and Feedback: Evaluating students' performance during the practical session, providing constructive feedback, and assessing their understanding and proficiency in the subject matter.
12	<p>Evaluation of Students performance in practical classes</p> <p>Actions Taken</p> <ul style="list-style-type: none">• Performance Evaluation: Assessing students' ability to perform practical tasks accurately and effectively, including their demonstration of relevant skills and techniques.• Documentation Review: Reviewing lab reports submitted by students, which may include observations, data collected, and analyses conducted during the practical session.• Skills Assessment: Evaluating students' proficiency in using equipment, conducting experiments, and interpreting results, as well as their understanding of the underlying principles and concepts.• Feedback and Reflection: Providing feedback to students on their performance, highlighting areas of strength and areas needing improvement, and encouraging reflection on their learning experiences and outcomes from the practical classes.
13	<p>Maintenance of Course files</p> <p>Actions Taken</p> <ul style="list-style-type: none">• Organization: Ensuring that course files are organized in a systematic manner, with clear labeling and categorization for easy retrieval and reference.• Updating Content: Regularly updating course files to incorporate new materials, resources, or changes in curriculum or syllabus.• Quality Control: Reviewing course files periodically to ensure accuracy, relevance, and alignment with learning objectives and standards.• Backup and Storage: Implementing backup procedures to prevent loss of course files, and storing them securely to maintain confidentiality and integrity.• Accessibility: Ensuring that course files are accessible to authorized personnel, such as instructors and administrators, while maintaining appropriate levels of security and privacy.• Version Control: Managing versions of course files to track changes and revisions, and to facilitate collaboration among stakeholders involved in course development and maintenance.
15	<p>Students feedback on faculties</p> <p>Actions Taken</p> <ul style="list-style-type: none">• Analysis: Thoroughly analyzing the feedback provided by students to identify common themes, concerns, and areas for improvement.• Feedback Compilation: Compiling and summarizing the feedback received from students for each faculty member, ensuring anonymity to encourage



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	honest and constructive input.
	<ul style="list-style-type: none"> • Review Process: Reviewing the feedback with the respective faculty members in a constructive and supportive manner, emphasizing areas of strength and areas needing improvement. • Action Plan Development: Collaborating with faculty members to develop action plans aimed at addressing the feedback received, setting specific goals and timelines for improvement. • Training and Development: Providing faculty members with training, resources, and support to enhance their teaching skills, communication abilities, and overall effectiveness in addressing student needs. • Monitoring and Evaluation: Monitoring the progress of faculty members in implementing the action plans, and evaluating the effectiveness of interventions based on subsequent student feedback and performance indicators. • Continuous Improvement: Emphasizing a culture of continuous improvement, where feedback from students is valued and used to inform ongoing efforts to enhance the quality of teaching and learning experiences.
16	<p>Conduction of Seminar/Workshop/FDP/Conferences Actions Taken.</p> <ul style="list-style-type: none"> • A good number of students enrichment programs such as Seminars/Webinars/Workshops/Industry visits have been organized.
17	<p>Performance of Students in Previous academic year results Actions Taken</p> <ul style="list-style-type: none"> • Analysis and Identification of Trends: Thoroughly analyze the academic results to identify trends, patterns, and areas of concern, such as courses with low pass rates or subjects where students struggled. • Intervention and Support Programs: Implementing targeted intervention and support programs aimed at addressing specific academic challenges identified in the analysis, such as providing additional tutoring, study skills workshops, or academic advising services. • Faculty Development Initiatives: Providing faculty members with professional development opportunities focused on enhancing teaching effectiveness, incorporating active learning strategies, and implementing assessment methods that support student success.
18	<p>Research Activities by Faculty members. Actions Taken</p> <ul style="list-style-type: none"> • Facilitating Access to Funding Opportunities: The department facilitates access to both internal and external funding opportunities to support faculty research projects.

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Department of Electrical Engineering

Action Taken Report

on

Academic & Administrative Audit

for

Academic Year: 2021-22



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ACTION TAKEN REPORT 2021-2022

Sl. No.	Actions Taken for Improvement
1	<p>Profile of Student</p> <p>Actions Taken</p> <ul style="list-style-type: none">• Increased Project Works: Students are provided with more project works to encourage their participation in various national and regional competitions. This hands-on approach helps students apply theoretical knowledge in practical settings, fostering creativity, problem-solving skills, and competitiveness.• Regular Special and BCT Classes: Special classes, as well as classes focused on Beyond Curriculum Training (BCT) classes, are conducted regularly to enhance students' performance in various competitive exams. These classes aim to strengthen students' understanding of key concepts, improve their problem-solving abilities, and boost their confidence for achieving better results in exams.
2	<p>Infrastructure of the Dept.</p> <p>Actions Taken</p> <ul style="list-style-type: none">• Improvements in ICT-based Classrooms: Upgrades and enhancements are made to the ICT-based classrooms to provide better learning environments for students. This may include installing modern audiovisual equipment, interactive whiteboards, and other technology tools to facilitate effective teaching and learning experiences.• Better Utilization of Project Laboratory: Efforts are made to optimize the utilization of the project laboratory within the department. This could involve upgrading equipment, improving access to resources, and implementing efficient scheduling systems to ensure that students have ample opportunities to engage in hands-on project work and experimentation.• Quality Books and Journals in Libraries: The central and departmental libraries are stocked with high-quality books and journals relevant to the field of study. This ensures that students and faculty members have access to a wide range of academic resources to support their research, learning, and professional development needs.
3	<p>Activities of the Department</p> <p>Actions Taken</p> <ul style="list-style-type: none">• Increased Number of Student Enrichment Programs: The department has expanded its offerings of student enrichment programs. These programs aim to provide students with opportunities for personal and academic growth beyond the traditional curriculum. They may include workshops, seminars, guest lectures, skill development sessions, and extracurricular activities.• Increased Number of Industry Interactions: Efforts have been made to strengthen ties between the department and various industries. This could involve organizing industry visits, inviting industry professionals for guest lectures or workshops, facilitating internships and placements, and establishing collaborative research projects with industry partners. These interactions help students gain real-world insights, industry exposure, and practical experience relevant to their field of study.• More Collaborations with Industries: The department has actively



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	<p>pursued collaborations with industries to foster mutually beneficial partnerships. These collaborations may involve joint research projects, technology transfer initiatives, sponsored research, consultancy services, or industry-sponsored scholarships and awards. By working closely with industries, the department aims to address industry needs, promote innovation, and enhance the employability of its graduates.</p> <ul style="list-style-type: none"> • Regular Publications of Wall Magazines and Newsletters: The department regularly publishes wall magazines and newsletters to showcase student achievements, departmental activities, research initiatives, and other relevant information. These publications serve as platforms for sharing updates, fostering communication within the department, and promoting a sense of community among students, faculty, staff, and stakeholders. They also contribute to enhancing the visibility and reputation of the department both internally and externally.
4	<p>Functioning of class/course committees Actions Taken</p> <ul style="list-style-type: none"> • Proper Maintenance of MAKAUT Curriculum: The department ensures that the curriculum prescribed by the Maulana Abul Kalam Azad University of Technology (MAKAUT) is adequately maintained. This involves regularly reviewing and updating course content, learning objectives, and assessment methods to align with the latest academic standards and industry requirements. • Introduction of New Courses Beyond Curriculum: In addition to adhering to the prescribed MAKAUT curriculum, the department takes proactive steps to introduce new courses that go beyond the existing curriculum. These courses are designed to cater to emerging trends, technological advancements, and specialized areas of study not covered by the standard curriculum. By offering such courses, the department aims to provide students with diverse learning opportunities and enhance their competitiveness in the job market.
5	<p>Schedule of Timetable Actions Taken</p> <ul style="list-style-type: none"> • Proper Maintenance of Timetable: The department ensures that the timetable is effectively managed and maintained. This involves creating a schedule that accommodates all classes, lectures, practical sessions, and other academic activities in an organized and efficient manner. By properly maintaining the timetable, the department aims to optimize student and faculty schedules, minimize conflicts, and ensure smooth functioning of academic operations.
6	<p>Attendance of Students Actions Taken</p> <ul style="list-style-type: none"> • Counseling in Mentor-Mentee Meetings: Students with low attendance are provided with counseling during Mentor-Mentee meetings. Mentors engage with students to understand the reasons for their low attendance, offer support, and provide guidance on how to improve attendance and academic performance. This personalized approach aims to address underlying issues affecting student attendance and well-being. • Regular Parents-Teacher's Meetings: The department conducts regular Parents-Teacher's meetings to inform parents about the attendance status and



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	<p>academic progress of their wards. During these meetings, teachers discuss students' attendance records, performance in assessments, and any concerns or areas needing improvement. This communication between parents and teachers fosters collaboration and support in monitoring and addressing students' attendance issues effectively.</p>
7	<p>Quality of Projects Actions Taken</p> <ul style="list-style-type: none"> • Motivation to Represent Projects in Conferences: Students are encouraged and motivated to represent their projects in various conferences. This initiative provides students with opportunities to showcase their research, share their findings with a wider audience, and gain valuable experience in presenting their work. Participating in conferences also allows students to network with peers, professionals, and experts in their field, fostering collaboration and exposure to new ideas. • Increased Student Publications in Renowned Journals and Conference Proceedings: The department has focused on increasing the number of student publications in renowned journals and conference proceedings. This effort involves supporting students in conducting high-quality research, writing scholarly papers, and submitting their work to reputable academic publications and conference venues. By facilitating student publications, the department aims to promote academic excellence, contribute to the advancement of knowledge in the field, and enhance the reputation of both students and the department.
8	<p>Conduct of Tutorial & Remedial Classes Actions Taken</p> <ul style="list-style-type: none"> • Allocation of Tutorial and Remedial Classes in the Timetable: The department allocates specific time slots in the timetable for tutorial and remedial classes. These classes are scheduled to provide additional support and assistance to students who may require extra help in understanding course material or improving their academic performance. By integrating tutorial and remedial classes into the timetable, the department ensures that students have access to resources and opportunities for personalized learning and academic support. • Conduction of Regular Special Classes: In addition to regular coursework, the department conducts special classes on a regular basis. These classes may focus on specific topics, concepts, or skills that require further explanation or reinforcement. Special classes are designed to provide students with in-depth understanding and practice in areas of difficulty, enhance their learning experience, and prepare them for academic challenges such as exams and assessments. Through the conduction of regular special classes, the department aims to promote student engagement, comprehension, and overall academic success.
9	<p>Syllabus Coverage as per Lesson/Course Plan Actions Taken</p> <ul style="list-style-type: none"> • Discussion of Syllabus Coverage in DAC Meetings: The coverage of the syllabus is regularly discussed in the Departmental Academic Committee (DAC) meetings. During these meetings, faculty members review the progress of syllabus coverage across various courses and subjects. They discuss any challenges or concerns related to the pace of syllabus completion



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	<p>and strategize on how to ensure comprehensive coverage within the allocated time frame. By engaging in these discussions, the department aims to maintain alignment with academic standards and enhance the effectiveness of teaching and learning processes.</p> <ul style="list-style-type: none"> • Arrangement of Extra Classes: Whenever necessary, extra classes are arranged to complete the syllabus within the stipulated time. These additional sessions are scheduled to provide students with the opportunity to cover any remaining topics or concepts that may not have been fully addressed during regular class hours. Extra classes may be conducted outside of the normal timetable or during designated study periods to accommodate students' needs and facilitate comprehensive learning. By arranging extra classes as needed, the department ensures that students have sufficient exposure to the curriculum and are adequately prepared for examinations and assessments.
10	<p>Use of ICT enabled teaching methodologies.</p> <p>Actions Taken</p> <ul style="list-style-type: none"> • Integration of IT-Enabled Learning Tools: Faculty members are incorporating a variety of IT-enabled learning tools, including PowerPoint presentations, video clips, audio systems, and online resources, alongside the traditional chalk and talk teaching method. This approach enhances the teaching-learning process by leveraging multimedia resources to engage students, illustrate complex concepts visually, and cater to diverse learning styles. • Focus on Classroom Interaction: The primary emphasis is placed on fostering active classroom interaction through a range of activities such as research paper presentations, seminars, debates, group discussions, assignments, quizzes/tests/vivas, and laboratory work. These interactive sessions promote student engagement, critical thinking, collaboration, and knowledge application, thereby enriching the learning experience and facilitating deeper understanding of the subject matter. • Establishment of Specialized Computer Laboratory: A specialized computer laboratory equipped with internet connectivity has been established to promote self-directed learning among students. This dedicated facility provides students with access to computer-based resources, online databases, educational software, and internet resources, empowering them to explore topics independently, conduct research, and enhance their digital literacy skills. • Implementation of Security Measures for Wi-Fi Users: Security measures have been implemented to safeguard Wi-Fi users, with access being regulated by the system administrator. These measures may include password protection, encryption protocols, firewalls, and access controls to ensure the confidentiality, integrity, and availability of network resources. By implementing robust security measures, the department ensures a safe and secure online learning environment for students and faculty members alike.
11	<p>Conduct of Practical Classes</p> <p>Actions Taken</p> <ul style="list-style-type: none"> • Preparation: Setting up necessary equipment, materials, and resources ahead of the class.



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	<ul style="list-style-type: none"> • Demonstration: Demonstrating procedures, techniques, or experiments to the students, providing them with a clear understanding of what is expected. • Hands-on Experience: Allowing students to actively engage in the practical tasks themselves, under supervision, to apply theoretical knowledge and develop practical skills. • Assessment and Feedback: Evaluating students' performance during the practical session, providing constructive feedback, and assessing their understanding and proficiency in the subject matter.
12	<p>Evaluation of Students performance in practical classes</p> <p>Actions Taken</p> <ul style="list-style-type: none"> • Performance Evaluation: Assessing students' ability to perform practical tasks accurately and effectively, including their demonstration of relevant skills and techniques. • Documentation Review: Reviewing lab reports submitted by students, which may include observations, data collected, and analyses conducted during the practical session. • Skills Assessment: Evaluating students' proficiency in using equipment, conducting experiments, and interpreting results, as well as their understanding of the underlying principles and concepts. • Feedback and Reflection: Providing feedback to students on their performance, highlighting areas of strength and areas needing improvement, and encouraging reflection on their learning experiences and outcomes from the practical classes.
13	<p>Maintenance of Course files</p> <p>Actions Taken</p> <ul style="list-style-type: none"> • Organization: Ensuring that course files are organized in a systematic manner, with clear labeling and categorization for easy retrieval and reference. • Updating Content: Regularly updating course files to incorporate new materials, resources, or changes in curriculum or syllabus. • Quality Control: Reviewing course files periodically to ensure accuracy, relevance, and alignment with learning objectives and standards. • Backup and Storage: Implementing backup procedures to prevent loss of course files, and storing them securely to maintain confidentiality and integrity. • Accessibility: Ensuring that course files are accessible to authorized personnel, such as instructors and administrators, while maintaining appropriate levels of security and privacy. • Version Control: Managing versions of course files to track changes and revisions, and to facilitate collaboration among stakeholders involved in course development and maintenance.
15	<p>Students feedback on faculties</p> <p>Actions Taken</p> <ul style="list-style-type: none"> • Analysis: Thoroughly analyzing the feedback provided by students to identify common themes, concerns, and areas for improvement. • Feedback Compilation: Compiling and summarizing the feedback received from students for each faculty member, ensuring anonymity to encourage honest and constructive input.



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	<ul style="list-style-type: none"> • Review Process: Reviewing the feedback with the respective faculty members in a constructive and supportive manner, emphasizing areas of strength and areas needing improvement. • Action Plan Development: Collaborating with faculty members to develop action plans aimed at addressing the feedback received, setting specific goals and timelines for improvement. • Training and Development: Providing faculty members with training, resources, and support to enhance their teaching skills, communication abilities, and overall effectiveness in addressing student needs. • Monitoring and Evaluation: Monitoring the progress of faculty members in implementing the action plans, and evaluating the effectiveness of interventions based on subsequent student feedback and performance indicators. • Continuous Improvement: Emphasizing a culture of continuous improvement, where feedback from students is valued and used to inform ongoing efforts to enhance the quality of teaching and learning experiences.
16	<p>Conduction of Seminar/Workshop/FDP/Conferences Actions Taken.</p> <ul style="list-style-type: none"> • A good number of students enrichment programs such as Seminars/Webinars/Workshops/Industry visits have been organized.
17	<p>Performance of Students in Previous academic year results Actions Taken</p> <ul style="list-style-type: none"> • Analysis and Identification of Trends: Thoroughly analyzing the academic results to identify trends, patterns, and areas of concern, such as courses with low pass rates or subjects where students struggled. • Intervention and Support Programs: Implementing targeted intervention and support programs aimed at addressing specific academic challenges identified in the analysis, such as providing additional tutoring, study skills workshops, or academic advising services. • Curriculum Review and Adjustment: Reviewing the curriculum and instructional strategies to identify opportunities for improvement, ensuring alignment with learning outcomes, and making necessary adjustments to enhance student understanding and performance. • Faculty Development Initiatives: Providing faculty members with professional development opportunities focused on enhancing teaching effectiveness, incorporating active learning strategies, and implementing assessment methods that support student success.
18	<p>Research Activities by Faculty members. Actions Taken</p> <ul style="list-style-type: none"> • Facilitating Access to Funding Opportunities: The department facilitates access to both internal and external funding opportunities to support faculty research projects. This includes assisting faculty members in identifying relevant grants, fellowships, and research awards, as well as providing guidance and support throughout the application process. • Providing Research Infrastructure: Faculty members are provided with access to research facilities, equipment, laboratories, and resources necessary for conducting research across various disciplines. This ensures that they have the necessary tools and facilities to carry out their research effectively.



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- **Encouraging Collaborative Initiatives:** The department encourages interdisciplinary collaboration and partnerships among faculty members, departments, research centers, and external organizations. By fostering collaboration, faculty members can engage in innovative research projects and initiatives that leverage diverse expertise and resources.
- **Offering Professional Development Opportunities:** Faculty members are offered professional development opportunities such as workshops, seminars, and conferences to enhance their research skills, methodologies, and scholarly dissemination strategies. These opportunities enable faculty members to stay updated with the latest developments in their field and improve their research practices.
- **Providing Administrative Support:** Administrative assistance and support are provided to faculty members to facilitate grant applications, research project management, ethics approvals, and compliance with regulatory requirements. This ensures that faculty members can focus on their research activities without being burdened by administrative tasks.
- **Supporting Publication and Dissemination:** Faculty members are supported in publishing their research findings in peer-reviewed journals, presenting at conferences, and disseminating their work to the academic community and broader public. This helps to showcase their research achievements and contribute to the advancement of knowledge in their respective fields.
- **Recognizing and Rewarding Research Achievements:** Faculty members are recognized and rewarded for their research achievements, including publications, presentations, patents, and grants received. This recognition serves to motivate faculty members and incentivize continued excellence in research.
- **Facilitating Mentorship and Networking:** Mentorship opportunities and networking events are facilitated to connect faculty members with senior researchers, industry experts, and funding agencies. This fosters career development and collaboration opportunities, enabling faculty members to expand their professional networks and enhance their research impact.
- **Promoting Research Ethics and Integrity:** The department promotes research ethics and integrity by providing training, guidelines, and resources to ensure compliance with ethical standards and regulations in research conduct. This ensures that research activities are conducted ethically and with integrity.
- **Evaluation and Assessment:** The impact and quality of faculty research activities are evaluated and assessed through metrics such as publications, citations, research outputs, external funding, and collaborations. This helps to gauge the effectiveness of research efforts and identify areas for improvement.

Principal

Prof. (Dr.) Saradindu Panda

Saradindu Panda
PRINCIPAL
Dr. Sudhir Chandra Sur Institute
of Technology & Sports Complex
540, Dum Dum Rd, Kolkata-74

Department of Mechanical Engineering

Action Taken Report

on

Academic & Administrative Audit

for

Academic Year: 2021-22



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ACTION TAKEN REPORT FORMAT

Sl. No.	Actions Taken for Improvement
1	<p>Profile of Student</p> <p>Actions Taken : Special classes, as well as classes focused on Beyond Curriculum Training (BCT) classes, are conducted regularly to enhance students' performance in various competitive exams. These classes aim to strengthen students' understanding of key concepts, improve their problem-solving abilities, and boost their confidence for achieving better results in exams.</p>
2	<p>Infrastructure of the Dept.</p> <p>Actions Taken : Efforts are made to optimize the utilization of the project laboratory within the department. This could involve upgrading equipment, improving access to resources, and implementing efficient scheduling systems to ensure that students have ample opportunities to engage in hands-on project work and experimentation.</p>
3	<p>Activities of the Department</p> <p>Actions Taken : The department has expanded its offerings of student enrichment programs. These programs aim to provide students with opportunities for personal and academic growth beyond the traditional curriculum. They may include workshops, seminars, guest lectures, skill development sessions, and extracurricular activities.</p>
4	<p>Functioning of class/course committees</p> <p>Actions Taken: NIL</p>
5	<p>Schedule of Timetable</p> <p>Actions Taken: NIL</p>
6	<p>Attendance of Students</p> <p>Actions Taken: Students with attendance below 75% will be ineligible to take internal tests. Parents should consistently receive updates on their children's performance during Parent-Teacher Meetings. Frequent monitoring of student attendance should be implemented.</p>
7	<p>Quality of Projects</p> <p>Actions Taken: Students should be motivated to engage in projects that can lead to high-quality publications. Students should be inspired to take part in competitions involving projects, ideas, and models.</p>
8	<p>Conduct of Tutorial & Remedial Classes</p> <p>Actions Taken:</p>
9	<p>Syllabus Coverage as per Lesson/Course Plan</p> <p>Actions Taken: Every subject instructor should ensure the thorough coverage of the course syllabus as per the designated course/lesson plan.</p>
10	<p>Use of ICT enabled teaching methodologies.</p> <p>Actions Taken: College administration and departments should be notified about the utilization of ICT-enabled teaching methods and digital courses. Educators should incorporate ICT-enabled teaching and digital courses more frequently.</p>



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11	Conduct of Practical Classes Actions Taken: Both teachers and teaching assistants must ensure the proper fulfilment of the syllabus based on the course/lesson plan. Increased utilization of Virtual laboratory classes through platforms like VLAB/SWAYAM is encouraged.
12	Evaluation of Students performance in practical classes Actions Taken: NIL
13	Maintenance of Course files Actions Taken : NIL
15	Students feedback on faculties Actions Taken: NIL
16	Conduction of Seminar/Workshop/FDP/Conferences Actions Taken: •A good number of students enrichment programs such as Seminars/Webinars/Workshops/Industry visits have been organized.
17	Performance of Students in Previous academic year results Actions Taken
18	Research Activities by Faculty members. Actions Taken : The department facilitates access to both internal and external funding opportunities to support faculty research projects. This includes assisting faculty members in identifying relevant grants, fellowships, and research awards, as well as providing guidance and support throughout the application process. Faculty members are provided with access to research facilities, equipment, laboratories, and resources necessary for conducting research across various disciplines. This ensures that they have the necessary tools and facilities to carry out their research effectively.

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