



SWAMI VIVEKANANDA INSTITUTE OF MODERN SCIENCE

Sonarpur Station Road, Karbala,
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Kolkata - 700 103
An ISO 9001:2008 Certified Institute

Affiliated to MAKAUT, WB
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Significant contributions made by IQAC and the Plan of action chalked out at the beginning of the academic year towards quality and Achievements/Outcomes achieved by the end of the academic year

Significant contributions made by IQAC during the Academic Year 2018-19

- Reviewed the progress of several club/group activities in the implementation of MAKAUT guidelines regarding Mandatory Additional Requirements for earning B.Tech.
- For maintaining the quality and imparting quality teaching it is measured that no teacher should be allotted to take more than 2 theoretical subjects for a particular semester other than exigency.
- Conducting the Faculty Development Program for the Faculty members.

Plan of action chalked out by the IQAC at the beginning of the academic year towards Quality Enhancement and outcome achieved by the end of the academic year 2018-19

Plan of Action	Achievements/Outcomes
Review of activities of various clubs/groups in the implementation of MAKAUT directives regarding Mandatory Additional Requirements for earning the B.Tech η.	The progress is found to be satisfactory for implementation of the same.
Conducting the Faculty Development Program	Two Faculty Development Programs on various topics have been conducted.
Maintaining the quality and imparting quality teaching	From this year onwards no faculties have been allotted for more than two hours of duration



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Significant contributions made by IQAC during the Academic Year 2019-20

- Formation of several clubs/groups (photography, painting, music, magazine, etc.) following the affiliating university MAKAUT's Mandatory Additional Requirement for receiving a B.Tech.
- Organizing the Faculty Development Program (FDP) for faculty members.
- Students are encouraged and motivated to enrol in MOCs through NPTEL and relevant courses to get the Mandatory Additional Requirement (MAR) marks for obtaining a B.Tech.
- Unless there are exceptional circumstances, no teacher should be assigned to teach more than two theoretical subjects for a semester to maintain performance and deliver quality teaching.
- Monitoring of students' mentoring and counselling systems more systematically concerning their attendance, training and placement readiness.

Plan of action chalked out by the IQAC at the beginning of the academic year towards Quality Enhancement and outcome achieved by the end of the academic year 2019-20

Plan of Action	Achievements/Outcomes
Enhancement of soft skills training such as English, quantitative aptitude, reasoning aptitude and fundamental domain for improvement of placement.	A total of 342 students (B.Tech +MBA) participated in the process during the academic year 2019-20, and 278 students received job offers
Faculty members are encouraged to do research work and publish papers in journals, conferences and book chapters.	A total number of papers were published in journals, a total number of papers were published at conferences and a total number of book chapters were published
To conduct regular IQAC meetings	Three IQAC meetings were conducted on the following dates: 1) 10.3.2020 2) 15.12.2020 3) 10.02.2021
Monitoring of students' mentoring and counselling systems in all the departments of the college	It has already been implemented in all departments successfully, and IQAC is in the process of preserving the records and providing necessary suggestions as needed. During the pandemic, the well-being of students was also taken care of.
To organize tentatively two Faculty Development Programs (FDP) for faculty members	One FDP on various topics was conducted from 2 nd February 2020 to 6 th February 2020 titled Recent Trends in Science & Technology. Another FDP which was scheduled to be held on 26 th -30 th May

	2020 could not be completed due to the pandemic situation.
Formation of several clubs/groups (photography, painting, music, magazine, etc.) following the affiliating university MAKAUT's Mandatory Additional Requirement (MAR) for receiving a B. Tech degree.	The progress has been considered satisfactory for implementation. Awards and certificates were issued to students through these clubs for submission to the affiliated university, MAKAUT, for receiving a B. Tech degree.


Significant contributions made by IQAC during the Academic Year 2020-21

- Successful planning and conduct of online classes (through Google Meet, Zoom, etc.) and examinations, as well as evaluation during the pandemic.
- Faculty members are encouraged to create video lectures and upload them on YouTube.
- To conduct evening remedial classes for those students who could not attend classes due to poor internet connectivity during the day.
- Students are motivated to watch video lectures of faculty members and to enrol in MOOCs through NPTEL and Coursera courses.
- Monitoring mentorship and counselling systems for students, as well as conducting online soft skills training, aptitude training, software training for placement preparedness and other add-on certificate courses for upskilling.
- IQAC also took the initiative for the submission of data to the NIRF and AISHE authorities in 2020–21 to get a better ranking for quality enhancement.

Plan of action chalked out by the IQAC at the beginning of the academic year towards Quality Enhancement and outcome achieved by the end of the academic year 2020-21

Plan of Action	Achievements/Outcomes
Faculty members are encouraged to create video lectures and upload them on YouTube	A total of 23 video lectures have been uploaded to YouTube




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Formation of several clubs/groups (photography, painting, music, magazine, etc.) following the affiliating university MAKAUT's Mandatory Additional Requirement (MAR) for receiving a B. Tech degree.	The progress has been considered satisfactory for implementation. Awards and certificates were issued to students through these clubs for submission to the affiliated university, MAKAUT, for receiving a B. Tech degree.

Significant contributions made by IQAC during the Academic Year 2020-21

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Plan of action chalked out by the IQAC at the beginning of the academic year towards Quality Enhancement and outcome achieved by the end of the academic year 2020-21


Plan of Action	Achievements/Outcomes
Faculty members are encouraged to create video lectures and upload them on YouTube	A total of 23 video lectures have been uploaded to YouTube

Monitoring students' well-being during the pandemic and encouraging watching video lectures of faculty members and enrolling MOOCs through NPTEL and Coursera courses.	IQAC is in the process of preserving the video lectures made by faculty members. During the pandemic, the well-being of students was also taken care of.
To conduct regular IQAC meetings	Three IQAC meetings were conducted on the following dates: 1. 09.03.2021 2. 29.04.2021 3. 31.07.2021
IQAC encouraged the Training & Placement cell to organize more and more online campus drives and online soft skills training such as English, quantitative aptitude, reasoning aptitude, and software training for placement improvement.	A total of 280 students (B. Tech + MBA) participated in the process during the academic year 2020–2021, and 239 job offers were generated.
To conduct add-on or certificate courses.	Quite a few add-on courses, and certificate courses have been arranged by all the departments and also centrally through the training & placement cell
To encourage students to register in Internshala for internship opportunities	A total of 96 students got selected for internships, out of which 24 were paid internships and 72 were performance based internship
To conduct FDP's for the betterment of faculty members and TAs	An FDP was conducted titled "Communication and presentation skills during the pandemic period" from 13th July 2022 to 17th July 2022

Significant contributions made by IQAC during the Academic Year 2021-22

- Effective planning and execution of Add-on Courses and Skill development programs for students to make them industry-ready.
- Repository of the video lectures made by the faculty members that were made available on the Institute's YouTube official channel (Mission Career).
- Organizing an outreach program Science-Tech 2022 for neighborhood schools on the campus.
- A proposal was made to obtain RED CROSS membership.
- Collaboration with Industry: 1) BOSCH India Pvt. Ltd.: Specialized program in employability skills development, 2) L&T: Offering specialized program for CE and ME departments, 3) Capgemini: Dot Net and Java courses.




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- Repository of the video lectures made by the faculty members that were made available on the Institute's YouTube official channel (Mission Career).
- Organizing an outreach program Science-Tech 2022 for neighborhood schools on the campus.
- A proposal was made to obtain RED CROSS membership.
- Collaboration with Industry: 1) BOSCH India Pvt. Ltd.: Specialized program in employability skills development, 2) L&T: Offering specialized program for CE and ME departments, 3) Capgemini: Dot Net and Java courses.


Plan of action chalked out by the IQAC at the beginning of the academic year towards Quality Enhancement and outcome achieved by the end of the academic year 2021-22

Plan of Action	Achievements/Outcomes
Faculty members are encouraged to create video lectures and upload them on YouTube.	A total of 500 video lectures have been uploaded on YouTube.
Monitoring students' well-being during the pandemic and encouraging them to watch video lectures of faculty members and enrol in MOOCs through NPTEL and Coursera courses.	During the pandemic, the well-being of students was also taken care of. Some students enrolled in MOOC courses.
To conduct regular IQAC meetings.	3 nos. of IQAC meetings were conducted on the following dates: 1)07-12-2021, 2)26-02-2022, 3) 14-05-2022
The idea of running an outreach program Science-Tech-2022 for neighbourhood schools was put forth.	Six schools participated in this program, presented models, and participated in the quiz and extempore competitions.
Proposal to organize ALUMNI MEET-2022.	ALUMNI MEET-2022 was organized successfully.
A proposal was made to obtain RED CROSS membership for collaborating on extension and outreach programs	The institute successfully obtained RED CROSS membership on 26.05.2022
Installation of a smart classroom on the campus.	A smart classroom was successfully installed on the campus.

Significant contributions made by IQAC during the Academic Year 2022-23

- Effective planning and execution of Add-on Courses and Skill development programs for students to make them industry-ready. Organizing the Faculty Development Program (FDP) for faculty members.
- An outreach program Science-Tech 2023, was organized for neighbourhood schools.
- International conferences and FDPs were organized for the betterment of faculty members.




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Plan of Action	Achievements/Outcomes
Faculty members are encouraged to create video lectures and upload them on YouTube.	A total of 500 video lectures have been uploaded on YouTube.
Monitoring students' well-being during the pandemic and encouraging them to watch video lectures of faculty members and enrol in MOOCs through NPTEL and Coursera courses.	During the pandemic, the well-being of students was also taken care of. Some students enrolled in MOOC courses.
To conduct regular IQAC meetings.	3 nos. of IQAC meetings were conducted on the following dates: 1)07-12-2021, 2)26-02-2022, 3) 14-05-2022
The idea of running an outreach program Science-Tech-2022 for neighbourhood schools was put forth.	Six schools participated in this program, presented models, and participated in the quiz and extempore competitions.
Proposal to organize ALUMNI MEET-2022.	ALUMNI MEET-2022 was organized successfully.
A proposal was made to obtain RED CROSS membership for collaborating on extension and outreach programs	The institute successfully obtained RED CROSS membership on 26.05.2022
Installation of a smart classroom on the campus.	A smart classroom was successfully installed on the campus.

Significant contributions made by IQAC during the Academic Year 2022-23


- Effective planning and execution of Add-on Courses and Skill development programs for students to make them industry-ready.Organizing the Faculty Development Program (FDP) for faculty members.
- An outreach program Science-Tech 2023, was organized for neighbourhood schools.
- International conferences and FDPs were organized for the betterment of faculty members.

- Induction classes are organized at the beginning of the session about the rules & regulations of the college, the mission and vision of the institute and departments, and student support services and code of conduct.

Plan of action chalked out by the IQAC at the beginning of the academic year towards Quality Enhancement and outcome achieved by the end of the academic year 2022-23

Plan of Action	Achievements/Outcomes
Faculty members are encouraged to create video lectures and upload them on YouTube.	A total of 750 video lectures have been uploaded on YouTube
To conduct regular IQAC meetings.	3 nos. of IQAC meetings were conducted on the following dates: 1)15-09-2022, 2)16-12-2022, 3) 24-05-2023
The idea of running an outreach program Science-Tech-2023 for neighbourhood schools was put forth	Seven schools participated in this program, presented models, and participated in the quiz and extempore competitions.
Proposal to organize Techfest (Innovention-2k23) and cultural fest (Enthuzea-2k23)	Techfest (Innovention-2k23) and cultural fest (Enthuzea-2k23) were organized successfully.
Organizing an international conference	An international conference was conducted on Industry 5.0: Revolution, Innovation and Efficiency (ICIRIE-2023) at the Mechanical Engineering Department, Swami Vivekananda Institute of Science & Technology, Kolkata, W.B., India on 4th & 5th March 2023.
FDPs were organized for the betterment of faculty members.	Two FDPs were organized for the betterment of faculty members. (FDP-1: 24th March to 29th March 2023) and (FDP-2: 11th April to 13th April 2023)
Upgradation of existing computers in laboratories with high configuration and necessary software.	A total of 100 no intel i5 systems were installed in the CSE & ECE department. A licensed version of MATLAB software was installed.




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