

ਮਹਾਰਾਜਾ ਰਣਜੀਤ ਸਿੰਘ ਪੰਜਾਬ ਟੈਕਨੀਕਲ ਯੂਨੀਵਰਸਿਟੀ, ਬਠਿੰਡਾ

MAHARAJA RANJIT SINGH PUNJAB TECHNICAL UNIVERSITY

(A State Univ. Estd. by Govt. of Punjab vide Punjab Act No. 5 of 2015 and Approved u/s 2(f) & 12 (B) of UGC; Member AIU)

Bathinda-151001 (Punjab), India

REPORT

INTERNAL ACADEMIC AUDIT



MAHARAJA RANJIT SINGH PUNJAB TECHNICAL UNIVERSITY

Bathinda-151001 (Punjab), India

INTERNAL ACADEMIC AUDIT



2021

INTERNAL QUALITY ASSURANCE CELL
MAHARAJA RANJIT SINGH PUNJAB TECHNICAL UNIVERSITY
BATHINDA 151001

INTERNAL ACADEMIC AUDIT

Prepared by:

- Mr. Sunil, DEO, IQAC, MRSPTU, Bathinda
- Members, Respective Audit Committees

Inputs by:

- Dr. Ashish Baldi, Director, IQAC

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Version 1

Year 2021

INTERNAL QUALITY ASSURANCE CELL

INTERNAL ACADEMIC AUDIT

Internal Audit Report

Department of **Electronics & Communication Engineering (ECE)**, **GZSCCET, MRSPTU, Bathinda**

Observations/ Recommendations:

1. **Academic Delivery:-** Co attainment process and PAC should be more effectively implemented.
2. **Admission:-** Awareness Program should be conducted .
3. **Research:-** Research outcomes should be improved with a defined plan & more grants would be helpful.
4. **Placement/Training:-** Record should be maintained in a effective way. Experiential learning components should be more effectively incorporated.
5. **Infrastructure:-** Smart classrooms & projectors should be available.
6. **Professional Development:-** Teachers should be motivated to participate in STTP/FDP's. Professional development programs should be conducted frequently.
7. **Harmony:-** Cultural values, Human values, social values and ethics should be incorporated in curriculum more effectively.

Internal Audit Report

Department of **Electrical Engineering, GZSCCET, MRSPTU, Bathinda**

Observations/ Recommendations:

1. **Academic Delivery:-** Students were made aware about the attainment process and its significance.
2. **Admission:-** Related skill and inter disciplinary courses should be introduced.
3. **Research:-** Research outcomes should be improved with a defined plan and more grants would be helpful.
4. **Placement/Training:-** Record should be maintained in a effective way. Experiential learning components should be more effectively incorporated.
5. **Infrastructure:-** Smart classrooms & projectors should be available.
6. **Professional Development:-** Related programs should be conducted frequently. Staff should be encouraged to participate in FDP's
7. **Harmony:-** Social, Cultural, Human and ethical values should be incorporated in curriculum more effectively

Internal Audit Report

Department of **Computer Science & Engineering**, GZSCCET, MRSPTU, Bathinda

Observations/ Recommendations:

1. **Academic Delivery**:- Benchmark for outcome attainment should be reviewed every semester.
2. **Admission**:- New courses in thrust areas must be started.
3. **Research**:- Research outcomes should be improved with a defined plan. More research grants should be applied.
4. **Placement/Training**:- Proper maintenance of the training and internship records. Experiential learning components should be more effectively incorporated.
5. **Infrastructure**:- Smart classrooms & projectors should be available.
6. **Professional Development**:- Related Programs should be conducted. Staff should be encouraged more effectively to participate in FDP's.
7. **Harmony**:- Cultural and, social values need to be promoted more in the curriculum. Department should identify best practices and emphasize on implementing it.

Internal Audit Report

Department of **Textile Engineering, GZSCCET, MRSPTU, Bathinda**

Observations/ Recommendations:

1. **Academic Delivery:-** More practical orientation and industrial application should be taught. Outcome attainment should be integrated in curriculum revision.
2. **Admission:-** New courses in fabric design/fashion technology may be introduced.
3. **Research:-** Research outcomes should be improved with a defined plan. More research grants should be applied.
4. **Placement/Training:-** Record for training and internship should be maintained, experiential learning components should be more effectively incorporated.
5. **Infrastructure:-** Modern instruments should be available.
6. **Professional Development:-** Related Programs should be conducted more frequently. Staff should be encouraged to participate in FDP's.
7. **Harmony:-** Cultural values, social values and ethics values should be included in curriculum . Department should identify best practices and emphasize on implementing it.

Internal Audit Report

Department of **Mechanical Engineering, GZSCCET, MRSPTU, Bathinda**

Observations/ Recommendations:

1. **Academic Delivery:-** Programs assessment committee and attainment process should be more effectively implemented.
2. **Admission:-** Should be improved by putting sincere efforts by departments.
3. **Research:-** Research outcome related plan should be made and executed.
4. **Placement/Training:-** Record should be maintained properly. Experiential learning components should be more effectively incorporated.
5. **Infrastructure:-** Smart classrooms & projectors should be available. Recent trends based software's/Instruments must be made available to students.
6. **Professional Development:-** Related programs should be conducted more frequently teachers should be encouraged to participate in FDP.
7. **Harmony:-** Cultural values, Human values, ethics should be incorporated in curriculum more effectively. Department should identify best practices and emphasis in implementing it.

Internal Audit Report

Department of **Civil Engineering**, GZSCCET, MRSPTU, Bathinda

Observations/ Recommendations:

1. **Academic Delivery**:- The students should be made aware with attainment process.
2. **Admission**:- Related skill/vocational courses can be introduced.
3. **Research**:- Research outcomes should be improved with a defined plan. More research grants should be applied.
4. **Placement/Training**:- Record should be maintained properly. Experiential learning components should be more effectively incorporated.
5. **Infrastructure**:- Smart classrooms & projectors should be available.
6. **Professional Development**:- Related Programs should be conducted more frequently. Staff should be encouraged to participate in FDP's.
7. **Harmony**:- Cultural values, Human values, social values and ethics should be incorporated in curriculum more effectively. Department should identify best practices and emphasize on implementing it.

Internal Audit Report

Department of **Computational Sciences, MRSPTU, Bathinda**

Observations/ Recommendations:

1. **Academic Delivery:-** Various modules in attainment process may be clubbed with CSE.
2. **Admission:-** Interdisciplinary courses/Programmes with CSE should be introduced.
3. **Research:-** Research outcomes should be improved with a defined plan & more research grants should be applied.
4. **Placement/Training:-** Record keeping of Internship/Training should be there. Experiential learning components should be more effectively incorporated.
5. **Infrastructure:-** Smart classrooms & projectors should be available. Recent equipment's need to be purchased
6. **Professional Development:-** Related Programs should be conducted frequently. Teachers should be encouraged to participate in FDP's.
7. **Harmony:-** Cultural values, social values and ethics should be incorporated in curriculum more effectively. Department should identify best practices and emphasize on implementing it.

Internal Audit Report

Department of **Physics, MRSPTU, Bathinda**

Observations/ Recommendations:

1. **Academic Delivery:-** PO CO attainment process should be reviewed regularly.
2. **Admission:-** Proper publicity for admission specially on social media should be planned and executed.
3. **Research:-** Research outcomes should be improved with a defined plan. More research grants should be applied.
4. **Placement/Training:-** Training/Placement related activities should encouraged. Experiential learning components should be more effectively incorporated.
5. **Infrastructure:-** Smart classrooms & projectors should be available. Modern tools/equipment must be made available to students.
6. **Professional Development:-** Related Programs should be conducted frequently. Teachers should be encouraged to participate in FDP's.
7. **Harmony:-** Cultural values, Human values, and ethics should be incorporated in curriculum more effectively. Department should identify best practices and emphasize on implementing it.

Internal Audit Report

Department of **Chemistry, MRSPTU, Bathinda**

Observations/ Recommendations:

1. **Academic Delivery:-** Outcome attainment process should be more effectively implemented.
2. **Admission:-** Proper publicity for admission specially on social media should be planned and executed.
3. **Research:-** More research grants should be applied and publication profile should be improved.
4. **Placement/Training:-** Properly maintain the records of training and internship. Experiential learning components should be more effectively incorporated.
5. **Infrastructure:-** Smart classrooms & projectors should be available. Modern instruments and software's should be procured.
6. **Professional Development:-** Related Programs should be conducted more effectively. Staff should be encouraged to participate in FDP's.
7. **Harmony:-** Cultural values, Social values, and ethics should be incorporated in curriculum more effectively. Department should identify best practices and emphasize on implementing it.

Internal Audit Report

Department of **Mathematics, MRSPTU, Bathinda**

Observations/ Recommendations:

1. **Academic Delivery:-** Program outcome attainment should be aligned with course outcomes and analyzed.
2. **Admission:-** Proper publicity for admission specially on social media should be planned and executed.
3. **Research:-** Research outcomes should be improved.
4. **Placement/Training:-** Training & internship records should be carried out properly, experiential learning components should be more effectively incorporated.
5. **Infrastructure:-** Smart classrooms & projectors should be available.
6. **Professional Development:-** Related Programs should be conducted more Frequently. Teachers should be encouraged to participate in FDP's.
7. **Harmony:-** Human values should be included in courses. Department should identify best practices & emphasize on implementing it.

Internal Audit Report

Department of **Food Science & Technology, MRSPTU, Bathinda**

Observations/ Recommendations:

1. **Academic Delivery:-** Faculty and student should be more aware about the impact of outcome attainment.
2. **Admission:-** No. of seats may enhanced in PG courses.
3. **Research:-** More Research project should be applied to research agencies.
4. **Placement/Training:-** Maintain the records of training and internship properly. Experiential learning components should be more effectively incorporated.
5. **Infrastructure:-** Smart classrooms & projectors should be available. Modern instruments & Software's should be procured.
6. **Professional Development:-** Related Programs should be conducted more effectively. Staff should be encouraged to participate in FDP's.
7. **Harmony:-** Cultural values, social values and ethics should be incorporated in curriculum more effectively. Department should identify best practices & emphasize on implementing it.

Internal Audit Report

Department of **University Business School, MRSPTU, Bathinda**

Observations/ Recommendations:

1. **Academic Delivery:-** Co-attainment & Student feedback should be analyzed for further improvement .
2. **Admission:-** Interdisciplinary courses/programmes with other department should be introduced.
3. **Research:-** Research outcomes should be improved with a defined plan. More research grant should be applied.
4. **Placement/Training:-** Proper record of Internship/Training should be there. Experiential learning components should be more effectively incorporated.
5. **Infrastructure:-** Smart classrooms & projectors should be available. Modern tools need to be procured.
6. **Professional Development:-** Related Programs should be conducted frequently. Faculty should be encouraged to participate in FDP's.
7. **Harmony:-** Cultural values, social values and ethics should be incorporated in curriculum more effectively. Department should identify best practices & emphasize on implementing it.

Internal Audit Report

Department of **GZS School of Architecture & Planning, MRSPTU, Bathinda**

Observations/ Recommendations:

1. **Academic Delivery:-** Regular meetings of PAC should be held to review the outcome attainment process.
2. **Admission:-** Awareness programmes should be conducted.
3. **Research:-** More research project should be carried out.
4. **Placement/Training:-** The record of the Training & Internship should be maintained properly.
5. **Infrastructure:-** Modern instruments & softwares should be procured.
6. **Professional Development:-** Related Programs should be conducted more effectively. Staff should be encouraged to participate in FDP's.
7. **Harmony:-** Curriculum should be designed which inculcates social and ethics values. Department should identify best practices & emphasize on implementing it.

Internal Audit Report

Department of **Pharmaceutical Sciences & Technology, MRSPTU, Bathinda**

Observations/ Recommendations:

1. **Academic Delivery:-** Industry orientation component must be included at PG level. Co's should be properly explained to students.
2. **Admission:-** More health science related courses may be introduced.
3. **Research:-** Emphasis should be given to IPR/Technology development.
4. **Placement/Training:-** Record should maintain properly. Experiential learning components should be more effectively incorporated.
5. **Infrastructure:-** Smart classroom and projectors should be available.
6. **Professional Development:-** Related Programs should be conducted more Frequently. Staff should be encouraged to participate in FDP's.
7. **Harmony:-** Cultural values, social values and ethics should be incorporated in curriculum more effectively. Department should identify best practices & emphasize on implementing it.

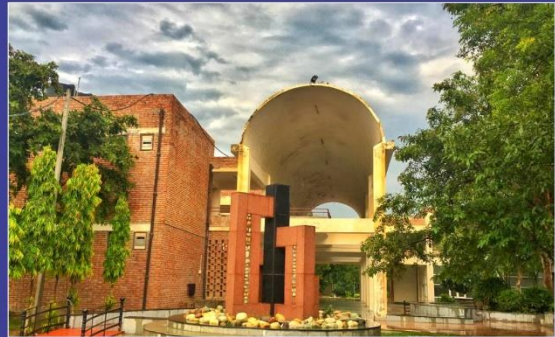


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Dabwali Road, Bathinda (Pb.) - 151001

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