

**KAKATIYA INSTITUTE OF TECHNOLOGY & SCIENCE**

Opp : Yerragattu Gutta, Hasanparthy (Mandal), WARANGAL - 506 015, Telangana, INDIA.

కాకతీయ ప్రేక్షాగిక్కి ఁవ్ విజ్ఞాన సంస్థాన, వరంగల్ - 506 015 తెలంగాణ, భారత్

కాకతీయ సాంకేతిక విజ్ఞాన శాస్త్ర విద్యాలయం, వరంగల్ - 506 015 తెలంగాణ, భారతదేశము

(An Autonomous Institute under Kakatiya University, Warangal)

(Approved by AICTE, New Delhi; Recognised by UGC under 2(f) & 12(B); Sponsored by EKASILA EDUCATION SOCIETY)

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INTERNAL QUALITY ASSURANCE CELL (IQAC)

ACADEMIC AUDIT REPORT OF THE ACADEMIC YEAR 2021-22

**Academic & Administrative Audit Conducted on 20th & 21st
February, 2023**


PRINCIPAL

Principal

KAKATIYA INSTITUTE OF TECHNOLOGY & SCIENCE
Opp: Yerragattugutta, Vill: Bheemaram,
Hanamkonda, Warangal-506015. (TS)



KAKATIYA INSTITUTE OF TECHNOLOGY & SCIENCE, WARANGAL
(An Autonomous Institute under Kakatiya University, Warangal)

No. 36/IQAC/KITSW/2023

Date: 06/02/2023

IQAC CIRCULAR

Sub: Academic & administrative audit and committee visit on 20th & 21st February 2023 - Reg.,

I am happy to inform that the Principal has accorded the permission to Internal Quality Assurance Cell (IQAC) to conduct academic & administrative audit of various departments & cells as per the guidelines of NAAC and UGC. The **Academic & Administrative Audit Committee (AAAC)** consists of external members and internal members to inspect all the departments/cells of the institute. As per the instruction of the principal the following academic & administrative audit committee constituted to visit various departments/cells on 20th & 21st February 2023 (Monday & Tuesday).

- | | |
|--|-----------------|
| 1. Prof. C. Venkatesh
Coordinator, IQAC, KITSW | Chairperson |
| 2. Prof. T. Srinivasulu
Dean, FoET,
KU, Warangal | External member |
| 3. Prof. N.V. Srikanth
Professor, EED
NIT, Warangal | External member |
| 4. Prof. M. Komal Reddy
Registrar, KITSW | Member |
| 5. Prof. V. Rajagopal
Dean, Academic Affairs, KITSW | Member |
| 6. Prof. M. Veera Reddy
Dean, R&D, KITSW | Member |

The schedule of the departments/cells visits as follows:

S.No	Date	Time	Department
1	20-02-2023 (Monday)	9.30am: Arrival of External Members (Cordial interaction with Principal)	
2		10.00am to 11.15 am	Dept. of CE
3		11.15am to 12.30pm	Dept. of ECE
4		1.15 pm to 2.30pm	Dept. of EIE & ECI
5		2.30pm to 3.45pm	Dept. of EEE
6		3.45 pm to 4.15pm	Academic & Estb., section
7		4.15 pm to 4.45pm	Exam section
8		4.45 pm to 5.15pm	Library
9	21-02-2023 (Tuesday)	10.00am to 11.15 am	Dept. of ME
10		11.15am to 12.30pm	Dept. of CSE
11		1.15 pm to 2.30pm	Dept. of CSN
12		2.30pm to 3.45pm	Dept. of IT
13		3.45 pm to 4.15pm	Dept. of MBA
14		4.15 pm to 4.45pm	Dept. of PSS & MH
15		4.45 pm to 5.15pm	Support centers & cells
16		5.15 pm to 5.45pm	Exit Meet with Principal

In this regard, I request all the Heads of the departments/cells kindly keep the academic & administrative audit files ready as per the format given by IQAC and cooperate to the committee during the visit. Further, the filled and signed copy of the application (hardcopy) should reach IQAC by 15.02.2023 (Wednesday) and softcopy by email to iqac@kitsw.ac.in.

Thank you for your kind support and concern.

C. Venkatesh

To: Above Committee members, HoDs & Cell I/cs
Copy to: Principal

Prof. C. Venkatesh
Coordinator, IQAC

AUDIT REPORT OF CIVIL ENGINEERING		
SL. NO.	AUDIT COMMENTS	
Sl. No 2 to 3	May be provided details such as specifications and make of major equipment, list of experiments, list of common equipment/tools, date of purchased, maintenance, calibrations etc	
Sl. No 6	Purpose and justification not clear	
Sl. No 8 to 10	Summary of stake holders survey, typical suggestions made and resolutions may be included	
Sl. No. 13 to 14	Workload is not uniform; it should be standardised as per AICTE/UGC norms	
Sl. No. 20	Summary or conclusions of assignment evaluations to be included for better interpretation	
Sl. No. 21 to 27	Action taken is incomplete	
Sl. No. 28	Summary, conclusions and suggestions of student performance should be included for better understanding to parents	
Sl. No. 29	Object of remedial classes and reaching the objective not clear	
Sl. No. 30 to 34	No correlation with resolutions, actions, realisations and ATR is incomplete	
Sl. No. 37	Make up classes' objectives must be differentiated from remedial classes and completed accordingly	
Sl. No. 38	Encourage for latest ICT tools and customised department specific exclusive ICT tools or software's may be procured	
Sl. No. 40	Conference papers may be excluded from course research papers	
Sl. No. 48	Faculty wise publication number should be included and 32 faculty published 15 Scopus journal papers- Needs improvement	
Sl. No. 51	Proposed projects 17, submitted-0, approved-0, Serious efforts are required for preparing better proposals as per respective funding agency thrust areas, send project proposals to outside experts for review and suggestions before submission, think out of box to improve.	
Sl. No. 69 Page No 13	Eligible-134, Registered-40, Placed-40: Reasons for less than 50% students' registration, core placements details to be included	
	- Associate Professors shortage as per AICTE cadre ratio - Faculty pursuing PhD- 13-Details of registration date, reasons for not completing, research progress since then, type of research, etc are to be included for proper audit - Rewrite best practices, swoc, short- and long-term goals to reflect your dept achievements, future targets and should be more realistic (Restrict for one page only)	
GRADES- NUTSHELL	Research activities	Average (D)
	Academics	Very Good (B)
	Placements	Good (C)
	Extension activities	Average (D)

Suggestions/Recommendations

- Capacity building activities to be improved
- Focus on Research enabled New Teaching methods
- Improve industry component in curriculum
- Expert lecture series should be introduced for inviting experts from industry/research institutes/funding agency to get awareness of latest research requirement/thrust areas
- Exclusive Students' innovation journal should be launched to improve research environment
- Organise exclusive FDPs on basic research, research stimulation and motivation, best research, innovations, technology etc
- Arrange faculty and students frequent industrial visits
- Incentives/privileges will be given to faculty and students to patentable, saleable (viable), and useful research
- Realisation of MOUs are mandatory
- Discourage paid journals, paid patents, paid books, paid awards, etc
- Research Committee under the chairmanship of Principal may be constituted to review regularly all ongoing research activities and to review project proposals before sending
- Make sure plagiarism should be less than 10%
- Few lectures may be arranged on IQAC and its role in academics to motivate faculty and all others concerned
- Mock IQAC audit may be conducted internally before commencement of actual
- Need to improve core placements as it indicates your research achievements
- Engineering Entrepreneurs, Startups, may be encouraged
- Audit format may be modified as per the requirement of AICTE, NBA, ABET, QS, NIRF etc
- Extension activities need to improve
- Need to focus on tutorial classes
- Research Targets may be fixed to faculty members for improving research contributions
- Maintain faculty ratifications at 80%
- Establish RnD as per UGC and AICTE regulations/guidelines
- Standardise faculty workload to avoid non uniformity and demotivation
-

AUDIT REPORT OF MECHANICAL ENGINEERING			
SL. NO.	AUDIT COMMENTS		
Sl. No 2 to 3, Page No. 4	May be provided details such as specifications and make of major equipment, list of experiments, list of common equipment/tools, date of purchased, maintenance, calibrations etc		
Sl. No 6, Page No 4	Purpose and justification not clear		
Sl. No 8 to 10, Page No 5	Summary of stake holders survey, typical suggestions made and resolutions may be included		
Sl. No. 13 to 14 Page No 5	Workload is not uniform; it should be standardised as per AICTE/UGC norms		
Sl. No. 20 Page No 7	Summary or conclusions of assignment evaluations to be included for better interpretation		
Sl. No. 21 to 27 Page No 7-8	Action taken is incomplete		
Sl. No. 28 Page No 8	Summary, conclusions and suggestions of student performance should be included for better understanding to parents		
Sl. No. 29 Page No 8	Object of remedial classes and reaching the objective not clear		
Sl. No. 30 to 34 Page No 9	No correlation with resolutions, actions, realisations and ATR is incomplete		
Sl. No. 37 Page No 9	Make up classes' objectives must be differentiated from remedial classes and completed accordingly		
Sl. No. 38 Page No 9	Encourage for latest ICT tools and customised department specific exclusive ICT tools or software's may be procured		
Sl. No. 40 Page No 9	Conference papers may be excluded from course research papers		
Sl. No. 48 Page No 10	Faculty wise publication number should be included and 42 faculty published 17 Scopus journal papers- Needs improvement		
Sl. No. 51 Page No 11	Proposed projects 52, submitted-24, approved-01, Serious efforts are required for preparing better proposals as per respective funding agency thrust areas, send project proposals to outside experts for review and suggestions before submission, think out of box to improve.		
Sl. No. 69 Page No 13	Eligible-202, Registered-101, Placed-80: Reasons for only 50% students' registration, core placements, etc details to be included		
	- Associate Professors shortage as per AICTE cadre ratio - Faculty pursuing PhD- Details of registration date, reasons for not completing, research progress since then, type of research, etc are to be included for proper audit - Rewrite best practices, swoc, short- and long-term goals to reflect your dept achievements, future targets and should be more realistic (Restrict for one page only)		
GRADES- NUTSHELL	Research activities	Average	(D)
	Academics	Very Good	(B)
	Placements	Good	(C)
	Extension activities	Average	(D)

Suggestions/Recommendations

- Capacity building activities to be improved
- Focus on Research enabled New Teaching methods
- Improve industry component in curriculum
- Expert lecture series should be introduced for inviting experts from industry/research institutes/funding agency to get awareness of latest research requirement/thrust areas
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- Realisation of MOUs are mandatory
- Discourage paid journals, paid patents, paid books, paid awards, etc
- Research Committee under the chairmanship of Principal may be constituted to review regularly all ongoing research activities and to review project proposals before sending
- Make sure plagiarism should be less than 10%
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- Mock IQAC audit may be conducted internally before commencement of actual
- Need to improve core placements as it indicates your research achievements
- Engineering Entrepreneurs, Startups, may be encouraged
- Audit format may be modified as per the requirement of AICTE, NBA, ABET, QS, NIRF etc
- Extension activities need to improve
- Need to focus on tutorial classes
- Research Targets may be fixed to faculty members for improving research contributions
- Maintain faculty ratifications at 80%
- Establish RnD as per UGC and AICTE regulations
- Standardise faculty workload to avoid non uniformity and demotivation

AUDIT REPORT OF ELECTRONICS & INSTRUMENTATION	
SL. NO.	AUDIT COMMENTS
Sl. No 2 to 3, Page No. 3	May be provided details such as specifications and make of major equipment, list of experiments, list of common equipment/tools, date of purchased, maintenance, calibrations etc
Sl. No 6, Page No 4	Purpose and justification not clear
Sl. No 8 to 10, Page No 4	Summary of stake holders survey, typical suggestions made and resolutions may be included
Sl. No. 13 to 14 Page No 5	Workload is not uniform; it should be standardised as per AICTE/UGC norms
Sl. No. 20 Page No 6	Summary or conclusions of assignment evaluations to be included for better interpretation
Sl. No. 21 to 27 Page No 6-7	Action taken is incomplete
Sl. No. 28 Page No 7	Summary, conclusions and suggestions of student performance should be included for better understanding to parents
Sl. No. 29 Page No 7	Object of remedial classes and reaching the objective not clear
Sl. No. 30 to 34 Page No 7-8	No correlation with resolutions, actions, realisations and ATR is incomplete
Sl. No. 37 Page No 8	Make up classes' objectives must be differentiated from remedial classes and completed accordingly
Sl. No. 38 Page No 8	Encourage for latest ICT tools and customised department specific exclusive ICT tools or software's may be procured
Sl. No. 40 Page No 8	Conference papers may be excluded from course research papers
Sl. No. 48 Page No 9	Faculty wise publication number should be included and 14 faculty published 5 Scopus journal papers- Needs improvement
Sl. No. 52 Page No 10	Proposed projects 37, submitted-3, approved-01, Serious efforts are required for preparing better proposals as per respective funding agency thrust areas, send project proposals to outside experts for review and suggestions before submission, think out of box to improve.
Sl. No. 69 Page No 12	Eligible-50, Registered-42, Placed-40: Core placement details to be included
	- Faculty shortage - Faculty pursuing PhD- Details of registration date, reasons for not completing, research progress since then, type of research, etc are to be included for proper audit - Rewrite best practices, swoc, short- and long-term goals to reflect your dept achievements, future targets and should be more realistic (Restrict for one page only)
GRADES-NUTSHELL	Research activities Average (D) Academics Very Good (B) Placements Very Good (B) Extension activities Average (D)

Suggestions/Recommendations

- Capacity building activities to be improved
- Focus on Research enabled New Teaching methods
- Improve industry component in curriculum
- Expert lecture series should be introduced for inviting experts from industry/research institutes/funding agency to get awareness of latest research requirement/thrust areas
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- Engineering Entrepreneurs, Startups, may be encouraged
- Audit format may be modified as per the requirement of AICTE, NBA, ABET, QS, NIRF etc
- Extension activities need to improve
- Need to focus on tutorial classes
- Research Targets may be fixed to faculty members for improving research contributions
- Maintain faculty ratifications at 80%
- Establish RnD as per UGC and AICTE regulations/guidelines
- Standardise faculty workload to avoid non uniformity and demotivation

AUDIT REPORT OF ELECTRICAL AND ELECTRONICS ENGINEERING	
SL. NO.	AUDIT COMMENTS
Sl. No 2 to 3, Page No. 3	May be provided details such as specifications and make of major equipment, list of experiments, list of common equipment/tools, date of purchased, maintenance, calibrations etc
Sl. No 6, Page No 3	Purpose and justification not clear
Sl. No 8 to 10, Page No 4	Summary of stake holders survey, typical suggestions made and resolutions may be included
Sl. No. 13 to 14 Page No 4	Workload is not uniform; it should be standardised as per AICTE/UGC norms
Sl. No. 20 Page No 4	Summary or conclusions of assignment evaluations to be included for better interpretation
Sl. No. 21 to 27 Page No 5	Action taken is incomplete
Sl. No. 28 Page No 5	Summary, conclusions and suggestions of student performance should be included for better understanding to parents
Sl. No. 29 Page No 5	Object of remedial classes and reaching the objective not clear
Sl. No. 30 to 34 Page No 6	No correlation with resolutions, actions, realisations and ATR is incomplete
Sl. No. 38 Page No 6	Make up classes' objectives must be differentiated from remedial classes and completed accordingly
Sl. No. 39 Page No 6	Encourage for latest ICT tools and customised department specific exclusive ICT tools or software's may be procured
Sl. No. 40 Page No 6	Conference papers may be excluded from course research papers
Sl. No. 48 Page No 7	Faculty wise publication number should be included and 37 faculty published 15 Scopus journal papers- Needs improvement
Sl. No. 51 Page No 7	Proposed projects 24, submitted-0, approved-0, Serious efforts are required for preparing better proposals as per respective funding agency thrust areas, send project proposals to outside experts for review and suggestions before submission, think out of box to improve.
Sl. No. 70 Page No 9	Eligible-104, Registered-104, Placed-93: Core placements details to be included
	- Associate Professors shortage as per AICTE cadre ratio - Faculty pursuing PhD- Details of registration date, reasons for not completing, research progress since then, type of research, etc are to be included for proper audit - Rewrite best practices, swoc, short- and long-term goals to reflect your dept achievements, future targets and should be more realistic (Restrict one page only)
GRADES-NUTSHELL	Research activities Average (D) Academics Very Good (B) Placements Very Good (B) Extension activities Average (D)

Suggestions/Recommendations

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- Maintain faculty ratifications at 80%
- Establish RnD as per UGC and AICTE regulations/guidelines
- Standardise faculty workload to avoid non uniformity and demotivation

AUDIT REPORT OF COMPUTER SCIENCE ENGINEERING	
SL. NO.	AUDIT COMMENTS
Sl. No 2 to 3, Page No. 3	May be provided details such as specifications and make of major equipment, list of experiments, list of common equipment/tools, date of purchased, maintenance, calibrations etc
Sl. No 6, Page No 3	Purpose and justification not clear
Sl. No 8 to 10, Page No 3	Summary of stake holders survey, typical suggestions made and resolutions may be included
Sl. No. 13 to 14 Page No 3	Workload is not uniform; it should be standardised as per AICTE/UGC norms
Sl. No. 20 Page No 4	Summary or conclusions of assignment evaluations to be included for better interpretation
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Sl. No. 28 Page No 4	Summary, conclusions and suggestions of student performance should be included for better understanding to parents
Sl. No. 29 Page No 5	Object of remedial classes and reaching the objective not clear
Sl. No. 30 to 34 Page No 5	No correlation with resolutions, actions, realisations and ATR is incomplete
Sl. No. 37 Page No 5	Make up classes' objectives must be differentiated from remedial classes and completed accordingly
Sl. No. 38 Page No 5	Encourage for latest ICT tools and customised department specific exclusive ICT tools or software's may be procured
Sl. No. 41 Page No 5	Conference papers may be excluded from course research papers
Sl. No. 49 Page No 6	Faculty wise publication number should be included and 40 faculty published 26 Scopus journal papers- Needs improvement
Sl. No. 53 Page No 6	Proposed projects 10, submitted-01, approved-01, Serious efforts are required for preparing better proposals as per respective funding agency thrust areas, send project proposals to outside experts for review and suggestions before submission, think out of box to improve.
Sl. No. 69 Page No 8	Eligible-180, Registered-175, Placed-167: Core placements, details to be included
	- Professors' shortage as per AICTE cadre ratio - Faculty pursuing PhD-22- Details of registration date, reasons for not completing, research progress since then, type of research, etc are to be included for proper audit - Rewrite best practices, swoc, short- and long-term goals to reflect your dept achievements, future targets and should be more realistic (Restrict for one page only)
GRADES - NUTSHELL	Research activities Average (D) Academics Very Good (B) Placements Very Good (B) Extension activities Average (D)

Suggestions/Recommendations

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- Audit format may be modified as per the requirement of AICTE, NBA, ABET, QS, NIRF etc
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- Need to focus on tutorial classes
- Research Targets may be fixed to faculty members for improving research contributions
- Maintain faculty ratifications at 80%
- Establish RnD as per UGC and AICTE regulations/guidelines
- Standardise faculty workload to avoid non uniformity and demotivation

AUDIT REPORT OF INFORMATION TECHNOLOGY	
SL. NO.	AUDIT COMMENTS
Sl. No 2 to 3, Page No. 3	May be provided details such as specifications and make of major equipment, list of experiments, list of common equipment/tools, date of purchased, maintenance, calibrations etc
Sl. No 6, Page No 3	Purpose and justification not clear
Sl. No 8 to 10, Page No 3	Summary of stake holders survey, typical suggestions made and resolutions may be included
Sl. No. 13 to 14 Page No 4	Workload is not uniform; it should be standardised as per AICTE/UGC norms
Sl. No. 20 Page No 5	Summary or conclusions of assignment evaluations to be included for better interpretation
Sl. No. 21 to 27 Page No 5-6	Action taken is incomplete
Sl. No. 28 Page No 6	Summary, conclusions and suggestions of student performance should be included for better understanding to parents
Sl. No. 29 Page No 6	Object of remedial classes and reaching the objective not clear
Sl. No. 30 to 34 Page No 7	No correlation with resolutions, actions, realisations and ATR is incomplete
Sl. No. 37 Page No 7	Make up classes' objectives must be differentiated from remedial classes and completed accordingly
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Sl. No. 48 Page No 9	Faculty wise publication number should be included and 21 faculty published 9 Scopus journal papers- Needs improvement
Sl. No. 52-53 Page No 9-10	Proposed projects 0, submitted-0, approved-0, Serious efforts are required for preparing better proposals as per respective funding agency thrust areas, send project proposals to outside experts for review and suggestions before submission, think out of box to improve.
Sl. No. 69 Page No 11	Eligible-55, Registered-55, Placed-48: Core placements details to be included
	- Faculty pursuing PhD- Details of registration date, reasons for not completing, research progress since then, type of research, etc are to be included for proper audit - Rewrite best practices, swoc, short- and long-term goals to reflect your dept achievements, future targets and should be more realistic (Restrict one page only)
GRADES- NUTSHELL	Research activities Average (D) Academics Very Good (B) Placements Very Good (B) Extension activities Average (D)

Suggestions/Recommendations

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- Standardise faculty workload to avoid non uniformity and demotivation

AUDIT REPORT OF ECE	
SL. NO.	AUDIT COMMENTS
Sl. No 2 to 3, Page No. 4	May be provided details such as specifications and make of major equipment, list of experiments, list of common equipment/tools, date of purchased, maintenance, calibrations etc
Sl. No 6, Page No 4	Purpose and justification not clear
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Sl. No. 51 Page No 10	Proposed projects 09, submitted-08, approved-01, Serious efforts are required for preparing better proposals as per respective funding agency thrust areas, send project proposals to outside experts for review and suggestions before submission, think out of box to improve.
Sl. No. 69 Page No 12	Eligible-188, Registered-188, Placed-176: Core placements, details to be included
	- Professors and Associate Professors shortage as per AICTE cadre ratio - Faculty pursuing PhD-22- Details of registration date, reasons for not completing, research progress since then, type of research, etc are to be included for proper audit - Rewrite best practices, swoc, short- and long-term goals to reflect your dept achievements, future targets and should be more realistic (Restrict for one page only)
GRADES- NUTSHELL	Research activities Average (D) Academics Very Good (B) Placements Very Good (B) Extension activities Average (D)

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- Realisation of MOUs are mandatory
- Discourage paid journals, paid patents, paid books, paid awards, etc
- Research Committee under the chairmanship of Principal may be constituted to review regularly all ongoing research activities and to review project proposals before sending
- Make sure plagiarism should be less than 10%
- Few lectures may be arranged on IQAC and its role in academics to motivate faculty and all others concerned
- Mock IQAC audit may be conducted internally before commencement of actual
- Need to improve core placements as it indicates your research achievements
- Engineering Entrepreneurs, Startups, may be encouraged
- Audit format may be modified as per the requirement of AICTE, NBA, ABET, QS, NIRF etc
- Extension activities need to improve
- Need to focus on tutorial classes
- Research Targets may be fixed to faculty members for improving research contributions
- Maintain faculty ratifications at 80%
- Establish RnD as per UGC and AICTE regulations/guidelines
- Standardise faculty workload to avoid non uniformity and demotivation

AUDIT REPORT OF COMPUTER SCIENCE ENGINEERING- (Networks)	
SL. NO.	AUDIT COMMENTS
Sl. No 2 to 3, Page No. 4	May be provided details such as specifications and make of major equipment, list of experiments, list of common equipment/tools, date of purchased, maintenance, calibrations etc
Sl. No 6, Page No 4	Purpose and justification not clear
Sl. No 8 to 10, Page No 4-5	Summary of stake holders survey, typical suggestions made and resolutions may be included
Sl. No. 13 to 14 Page No 5	Workload is not uniform; it should be standardised as per AICTE/UGC norms
Sl. No. 20 Page No 5	Summary or conclusions of assignment evaluations to be included for better interpretation
Sl. No. 21 to 27 Page No 6	Action taken is incomplete
Sl. No. 28 Page No 6	Summary, conclusions and suggestions of student performance should be included for better understanding to parents
Sl. No. 29 Page No 6	Object of remedial classes and reaching the objective not clear
Sl. No. 30 to 34 Page No 6-7	No correlation with resolutions, actions, realisations and ATR is incomplete
Sl. No. 38 Page No 7	Encourage for latest ICT tools and customised department specific exclusive ICT tools or software's may be procured
Sl. No. 40 Page No 7	Conference papers may be excluded from course research papers
Sl. No. 48 Page No 8	Faculty wise publication number should be included and 16 faculty published 9 Scopus journal papers- Needs improvement
Sl. No. 52 Page No 9	Proposed projects 0, submitted-0, approved-0, Serious efforts are required for preparing better proposals as per respective funding agency thrust areas, send project proposals to outside experts for review and suggestions before submission, think out of box to improve.
	• Professor and Associate Professors shortage as per AICTE cadre ratio • Faculty pursuing PhD- Details of registration date, reasons for not completing, research progress since then, type of research, etc are to be included for proper audit • Rewrite best practices, swoc, short- and long-term goals to reflect your dept achievements, future targets and should be more realistic (Restrict for one page only)
GRADES- NUTSHELL	Research activities Average (D) Academics Very Good (B) Extension activities Average (D)

Suggestions/Recommendations

- Capacity building activities to be improved
- Focus on Research enabled New Teaching methods
- Improve industry component in curriculum
- Expert lecture series should be introduced for inviting experts from industry/research institutes/funding agency to get awareness of latest research requirement/thrust areas
- Exclusive Students' innovation journal should be launched to improve research environment
- Organise exclusive FDPs on basic research, research stimulation and motivation, best research, innovations, technology etc
- Arrange faculty and students frequent industrial visits
- Incentives/privileges will be given to faculty and students to patentable, saleable (viable), and useful research
- Realisation of MOUs are mandatory
- Discourage paid journals, paid patents, paid books, paid awards, etc
- Research Committee under the chairmanship of Principal may be constituted to review regularly all ongoing research activities and to review project proposals before sending
- Make sure plagiarism should be less than 10%
- Few lectures may be arranged on IQAC and its role in academics to motivate faculty and all others concerned
- Mock IQAC audit may be conducted internally before commencement of actual
- Need to improve core placements as it indicates your research achievements
- Engineering Entrepreneurs, Startups, may be encouraged
- Audit format may be modified as per the requirement of AICTE, NBA, ABET, QS, NIRF etc
- Extension activities need to improve
- Need to focus on tutorial classes
- Research Targets may be fixed to faculty members for improving research contributions
- Maintain faculty ratifications at 80%
- Establish RnD as per UGC and AICTE regulations/guidelines
- Standardise faculty workload to avoid non uniformity and demotivation

AUDIT REPORT OF MATHS AND HUMANITIES	
SL. NO.	AUDIT COMMENTS
Sl. No 2 Page No. 3	May be provided details such as specifications and make of major equipment, list of experiments, list of common equipment/tools, date of purchased, maintenance, calibrations etc
Sl. No 8 to 10, Page No 3-4	Summary of stake holders survey, typical suggestions made and resolutions may be included
Sl. No. 13 to 14 Page No 4	Uniform workload of 18/20 maintained- Good decision
Sl. No. 20 Page No 5	Summary or conclusions of assignment evaluations to be included for better interpretation
Sl. No. 21 to 27 Page No 5-6	Action taken is incomplete
Sl. No. 28 Page No 6	Summary, conclusions and suggestions of student performance should be included for better understanding to parents
Sl. No. 29 Page No 6	Object of remedial classes and reaching the objective not clear
Sl. No. 30 to 34 Page No 6	No correlation with resolutions, actions, realisations and ATR is incomplete
Sl. No. 37 Page No 7	Make up classes' objectives must be differentiated from remedial classes and completed accordingly
Sl. No. 38 Page No 7	Encourage for latest ICT tools and customised department specific exclusive ICT tools or software's may be procured
Sl. No. 40 Page No 7	Conference papers may be excluded from course research papers
Sl. No. 48 Page No 8	Faculty wise publication number should be included and 20 faculty published 16 Scopus journal papers- Needs improvement
Sl. No. 51 Page No 8	Proposed projects NIL, submitted-NIL, approved-NIL, Serious efforts are required for preparing better proposals as per respective funding agency thrust areas, send project proposals to outside experts for review and suggestions before submission, think out of box to improve.
	• One Professor shortage as per AICTE cadre ratio • Faculty pursuing PhD-01- Details of registration date, reasons for not completing, research progress since then, type of research, etc are to be included for proper audit • Rewrite best practices, swoc, short- and long-term goals to reflect your dept achievements, future targets and should be more realistic (Restrict for one page only)
GRADES- NUTSHELL	Research activities Average (D) Academics Very Good (B) Extension activities Average (D)

Suggestions/Recommendations

- Capacity building activities to be improved
- Focus on Research enabled New Teaching methods
- Improve industry component in curriculum
- Expert lecture series should be introduced for inviting experts from industry/research institutes/funding agency to get awareness of latest research requirement/thrust areas
- Exclusive Students' innovation journal should be launched to improve research environment
- Organise exclusive FDPs on basic research, research stimulation and motivation, best research, innovations, technology etc
- Arrange faculty and students frequent industrial visits
- Incentives/privileges will be given to faculty and students to patentable, saleable (viable), and useful research
- Realisation of MOUs are mandatory
- Discourage paid journals, paid patents, paid books, paid awards, etc
- Research Committee under the chairmanship of Principal may be constituted to review regularly all ongoing research activities and to review project proposals before sending
- Make sure plagiarism should be less than 10%
- Few lectures may be arranged on IQAC and its role in academics to motivate faculty and all others concerned
- Mock IQAC audit may be conducted internally before commencement of actual
- Need to improve core placements as it indicates your research achievements
- Engineering Entrepreneurs, Startups, may be encouraged
- Audit format may be modified as per the requirement of AICTE, NBA, ABET, QS, NIRF etc
- Extension activities need to improve
- Need to focus on tutorial classes
- Research Targets may be fixed to faculty members for improving research contributions
- Maintain faculty ratifications at 80%
- Establish RnD as per UGC and AICTE regulations/guidelines
- Standardise faculty workload to avoid non uniformity and demotivation

AUDIT REPORT OF PHYSICAL SCIENCES	
SL. NO.	AUDIT COMMENTS
Sl. No 2 Page No. 3	May be provided details such as specifications and make of major equipment, list of experiments, list of common equipment/tools, date of purchased, maintenance, calibrations etc
Sl. No 6, Page No 3	Purpose and justification not clear
Sl. No. 13 Page No 4	Workload is not uniform; it should be standardised as per AICTE/UGC norms
Sl. No. 20 Page No 4	Summary or conclusions of assignment evaluations to be included for better interpretation
Sl. No. 21 to 27 Page No 4-5	Action taken is incomplete
Sl. No. 29 Page No 5	Object of remedial classes and reaching the objective not clear
Sl. No. 30 to 32 Page No 5-6	No correlation with resolutions, actions, realisations and ATR is incomplete
Sl. No. 38 Page No 6	Encourage for latest ICT tools and customised department specific exclusive ICT tools or software's may be procured
Sl. No. 40 Page No 6	Conference papers may be excluded from course research papers
Sl. No. 48 Page No 8	Faculty wise publication number should be included and 19 faculty published 22 Scopus journal papers- Needs improvement
Sl. No. 51 Page No 8	Details not provided
	- Associate Professors shortage as per AICTE cadre ratio - Rewrite best practices, swoc, short- and long-term goals to reflect your dept achievements, future targets and should be more realistic (Restrict for one page only)
GRADES-NUTSHELL	Research activities Poor (E) Academics Good (C) Extension activities Average (D)

Suggestions/Recommendations

- Capacity building activities to be improved
- Focus on Research enabled New Teaching methods
- Improve industry component in curriculum
- Expert lecture series should be introduced for inviting experts from industry/research institutes/funding agency to get awareness of latest research requirement/thrust areas
- Exclusive Students' innovation journal should be launched to improve research environment
- Organise exclusive FDPs on basic research, research stimulation and motivation, best research, innovations, technology etc

- Arrange faculty and students frequent industrial visits
- Incentives/privileges will be given to faculty and students to patentable, saleable (viable), and useful research
- Realisation of MOUs are mandatory
- Discourage paid journals, paid patents, paid books, paid awards, etc
- Research Committee under the chairmanship of Principal may be constituted to review regularly all ongoing research activities and to review project proposals before sending
- Make sure plagiarism should be less than 10%
- Few lectures may be arranged on IQAC and its role in academics to motivate faculty and all others concerned
- Mock IQAC audit may be conducted internally before commencement of actual
- Need to improve core placements as it indicates your research achievements
- Engineering Entrepreneurs, Startups, may be encouraged
- Audit format may be modified as per the requirement of AICTE, NBA, ABET, QS, NIRF etc
- Extension activities need to improve
- Need to focus on tutorial classes
- Research Targets may be fixed to faculty members for improving research contributions
- Maintain faculty ratifications at 80%
- Establish RnD as per UGC and AICTE regulations/guidelines
- Standardise faculty workload to avoid non uniformity and demotivation

AUDIT REPORT OF MANAGEMENT	
SL. NO.	AUDIT COMMENTS
Sl. No 8 to 10, Page No 3	Stake holders survey not submitted
Sl. No. 13 to 14 Page No 3	Workload is not uniform; it should be standardised as per AICTE/UGC norms
Sl. No. 20 Page No 4	Summary or conclusions of assignment evaluations to be included for better interpretation
Sl. No. 21 to 27 Page No 4-5	Incomplete
Sl. No. 28 Page No 5	Summary, conclusions and suggestions of student performance should be included for better understanding to parents
Sl. No. 30 to 34 Page No 5-6	No correlation with resolutions, actions, realisations and ATR is incomplete
Sl. No. 38 Page No 6	Encourage for latest ICT tools and customised department specific exclusive ICT tools or software's may be procured
Sl. No. 40 Page No 6	Conference papers may be excluded from course research papers
Sl. No. 48 Page No 8	Faculty wise publication number should be included and 9 faculty published 0 (zero) Scopus journal papers- Needs improvement
Sl. No. 51 Page No 8	Proposed projects 1, submitted-0, approved-0, Serious efforts are required for preparing better proposals as per respective funding agency thrust areas, send project proposals to outside experts for review and suggestions before submission, think out of box to improve.
Sl. No. 69 Page No 10	Incomplete data
	- One Professor shortage as per AICTE cadre ratio - Faculty pursuing PhD-2- Details of registration date, reasons for not completing, research progress since then, type of research, etc are to be included for proper audit - Rewrite best practices, swoc, short- and long-term goals to reflect your dept achievements, future targets and should be more realistic (Restrict for one page only)
GRADES-NUTSHELL	Research activities Poor (E) Academics Average (D) Placements Average (D) Extension activities Poor (E)

Suggestions/Recommendations

- Capacity building activities to be improved
- Focus on Research enabled New Teaching methods
- Improve industry component in curriculum
- Expert lecture series should be introduced for inviting experts from industry/research institutes/funding agency to get awareness of latest research requirement/thrust areas
- Exclusive Students' innovation journal should be launched to improve research environment
- Organise exclusive FDPs on basic research, research stimulation and motivation, best research, innovations, technology etc
- Arrange faculty and students frequent industrial visits
- Incentives/privileges will be given to faculty and students to patentable, saleable (viable), and useful research
- Realisation of MOUs are mandatory
- Discourage paid journals, paid patents, paid books, paid awards, etc
- Research Committee under the chairmanship of Principal may be constituted to review regularly all ongoing research activities and to review project proposals before sending
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- Audit format may be modified as per the requirement of AICTE, NBA, ABET, QS, NIRF etc
- Extension activities need to improve
- Need to focus on tutorial classes
- Research Targets may be fixed to faculty members for improving research contributions
- Maintain faculty ratifications at 80%
- Establish RnD as per UGC and AICTE regulations/guidelines
- Standardise faculty workload to avoid non uniformity and demotivation