

SDM COLLEGE OF ENGINEERING AND TECHNOLOGY

Dhavalagiri, Dharwad-590002, Karnataka State, India.

Email: sdmcet.iqac@gmail.com

Internal Quality Assurance Cell

EXTERNAL AUDIT REPORT

[2021-22]

Date: 13-8-2022



Prepared and maintained

By

Prof. U.P. Kulkarni

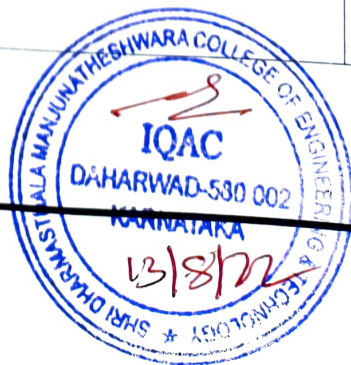
IQAC Coordinator

SDMCET, Dharwad



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OBSERVATIONS

Regular audit was carried out by professors from various premier institutions and observations were found satisfactory.

Critical observations were made and notified that, the improvements are necessary in research front and therefore connecting class room activity to the industry / research trends and expectations at both UG and PG level.

Individual specific observations for each Department are enclosed with this report.


DR. U. P. KUMAR
IQAC
COORDINATOR
26/8/22


DEAN
ACAD.PROG.


26/8/22
DEAN
ADMIN


26/8/22
PRINCIPAL

PRINCIPAL
SHRI DHARMASTHALA MANJUNATHESHWARA
COLLEGE OF ENGINEERING AND TECHNOLOGY
DHARWAD-580002, KARNATAKA

Date: 13-8-2022

REVISED POLICY NOTIFICATION

Office of the Principal
SDMCET, Dharwad.

26-5-2022

Heads of all Departments are here by informed to note the list of approved auditors (external) for the period of **THREE years i.e. 2022-23 to 2024 - 25.**

External auditors will be paid **remuneration of Rs-3000 per audit visit** with actual travel expenses by road or rail **as per college procedures.** Accommodation and food facilities are to be made **as per college procedures.**

The concerned departments/sections are expected to arrange the academic **audit once in a year during 1st week of July of every year (Year- 1st July to 30th June)** about the performance/ progress seen in the latest completed year and submit audit report in the standard format to IQAC.



LIST OF APPROVED EXTERNAL AUDITORS [2022-23 to 2024 – 25]

Name of the Department / Section	Name and Designation	Postal Address with contact Numbers/ Email ID
Administrative Office @SDMCET	Done by the Committee appointed by SDME Society, Ujire.	
CoEs Office	Dr. Guruprasad Professor	Department of CSE BMS College of Engineering and Technology, Bangalore Mobile: 9845516780 Email: drhsguru@gmail.com
✓ Civil Engineering	Dr. Subhash C Yaragal Professor in Civil Engineering	NITK, Suratkal Karnataka State. Mobile: 94489952071 Email: subhashyaragal@yahoo.com
✓ Mechanical Engineering	Dr. Veersh Kumar G.B Head of the Department & Associate Professor	Department of Mechanical Engineering, NIT, Tadepalligudem, Andra Pradesh- 534101 Mobile: 9972455343 Email: veeru232@gmail.com
✓ Electrical Engineering	Dr. Likith Kumar M. V Associate Professor	Department of Electrical and Electronics Engineering. NIE, Mysore-570008



		Mobile: 9986357947 Email: likith@nie.ac.in
Electronics Engineering	Dr. Deepak K T Asst. Professor	Department of EC & E IIT, Dharwad Mobile: 9900456936 Email: Deepak@iitdwd.ac.in
✓ Computer Science and Engineering	Dr. Tamal Das Asst. Professor	IIT, Dharwad Karnataka State Mobile: 9930035716 Email:
✓ Information Science and Engineering	Dr. Tamal Das Asst. Professor	IIT, Dharwad Karnataka State Mobile: 9930035716 Email:
✓ Chemical Engineering	Dr. C.M. Kalleshappa Professor	Dept. of Chemical Engineering, Bapuji Institute of Engineering and Tech, Davanageri, Karnataka State Mobile: 9449202190 Email:churikallesh@gmail.com
✓ MBA	Dr. Goplakrishna B V Associate Professor	NIT, Suratkal Karnataka State Mobile: 9480134970 Email:bvgopal@gmail.com
	Dr. R. Prabhu Asst. Professor	Department of Physics IIT, Dharwad Karnataka State.



✓	Physics		Mobile: 9956472042 Email: prathurama@iitdh.ac.in
✓	Chemistry	Dr. S.M. Tuwal	Department of Chemistry, Karnataka Science College Dharwad Karnataka State. Mobile: 9449796557 Email:
✓	Maths	Dr. Shreedevi Masuti Asst. Professor	Department of Mathematics IIT, Dharwad Karnataka State. Mobile: 9790816902 Email: shreedevi@iitdh.ac.in




Date of Audit: 08/08/2022

Name of the Department: Civil Engineering


Name of the Institution: SDM College of
Engineering and Technology


AUDIT TEAM DETAILS

Sl. No	Name	Affiliation	Designation	Mobile No.	Email Id	Role in Audit Team	Signature with date
1	Dr. Subhash C Yaragal	NITK Surathkal	Professor	9448952072	subhashyaragal@gmail.com	Chairperson	 08/08/2022

Over all Observation/Remarks:

- The strategic plan is executed with clear & visible outcomes.
- The various mission statements focussing on contextual relevance in curriculum, level of preparedness and implementation in teaching learning process, establishment of research infrastructure and outcomes, industry connect with classrooms, ethics & soft skills for students have all been met/realised with complete satisfaction.
- The department has potential to improve and excel further.


08/08/2022


Associate Prof. & HOD
Dept. of Civil Engineering
S.D.M. College of Engg. & Tech
Dharwad-580 002

		Observations and Suggestions
1	Strategic Plan: How well the strategic plan or its equivalent any other development plan is executed with clear observable outcomes / evidences?	i) All classroom and learning centers are well equipped with modern teaching/learning tools. ii) The curriculum has focus on the industrial trends to have close interface of theory with field practice. iii) Students are exposed to real-time learning through internships in Government and private organization.
2	Mission-1: What level of contextual relevance is brought in the curriculum?	The curriculum is framed and revised every year keeping in view of its relevance and practical applicability. As such the students will have improved knowledge sharing and field exposure.
3	Mission-2: What level of preparedness and implementation is seen in making teaching learning process effective on OBE principles?	The preparedness and implementation is satisfactory, but however improved attainment of COs, POs and PEOs need to be focused upon.
4	Mission-3: What levels of establishment of research infrastructure, processes and research outcomes are seen?	The research center of the department is active with a number of projects with problems pertaining to thrust areas being taken by UG/PG/ research scholars.
5	Mission-4: What level of preparedness and implementation is seen in connecting Industry with class room?	Students are provided with opportunities to interact with industrial experts during their invited talks/visit to the department, which makes the students understand the industrial trends, technology and its implementation.
6	Mission-5: What level of preparedness and implementation is seen in developing students' personality focusing on ethics and soft skills?	Students are provided with soft skill training by CIII on regular basis by industry experts.
7	Other noteworthy achievements? If any.	One faculty member of the department has completed Ph.D. and one research scholar has completed Ph.D.

Dr. Aml

02/08/2022

W. Ch.
Associate Prof. & HOD
Dept. of Civil Engineering
S.D.M. College of Engg. & Tech
Dharwad-580 002

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8	Suggestions	<p>The department should put in more efforts so as to attract more and more students to take up research work for obtaining Ph.D degrees is suggested. Faculty also should complete their doctoral degrees.</p>
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Signature

09/08/2022

Dr. Subhas C Yaragal
Auditor (External)

(Prof. in Civil Engg.
NITK, Surathkal)

Associate Prof. Dr. H. H. H. H.
Dept. of Civil Engineering
S.D.M. College of Engg. & Tech
Dharwad-580 002



NOTICE

The annual **INTERNAL AUDIT** process of routine TLP is **scheduled on 29th August 2022 (10.30am to 4.30pm)**. Independent team will visit each department and will verify the course file and associated documents of all faculty members.

Therefore, Heads of all departments are here by informed to keep all the required documents ready by verifying each document by their IQAC team. They are also informed to keep ready the report mentioned below.

Dr. K. Gopinath
5/8/22
Dr. K. Gopinath
PRINCIPAL

[Signature]

Encl: Format of audit report to be kept ready by each department IQAC

**SDM College of Engineering and Technology
Department of XXX Engineering**

INTERNAL AUDIT REPORT

[1ST July to 30th June of latest completed Year: Odd and Even semester]

Sl. No	Name of the Faculty member	Course File Completeness	Attendance Entries in book and ADSTOCK	Quality of QP and Assignments and availability of Reports	Quality of: COs and Mapping to POs and its implementation through assessment tool	Quality of Laboratory work and Reports if applicable	Best Practices if any and one page report	Any other noteworthy achievements
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Indicate each entry by C for complete, I for incomplete; OK, Not OK or NA if not applicable, ND for not done

REPORT TO BE PREPARED BY THE IQAC OF THE DEPARTMENT BY VERIFYING each DOCUMENTS OF ALL FAULTY MEMBERS

1								
2								
...								
30								

GENERAL OBSERVATIONS AT DEPARTMENT LEVEL

[To be filled by Auditors]

Dept. IQAC Coordinator

Auditor-1

Auditor-2

HOD



OBSERVATIONS


Internal audit of Teaching Learning Process (TLP) was conducted on 5th September 2022 and the following overall observations were made during all reviewers/ HoDs meet scheduled on 9-9-2022.

1. Need to elevate the ownership and importance of maintaining **TLP related documents** in more **systematic way** and possibly bringing **uniformity across all departments**.
2. Need to know the approach to evaluate **quality of assignments** and TLP work by reviewers belonging to other departments. Department level **IQAC** should coordinate and help external reviewers in this regard.
3. **MIS should** include features of getting attainment of outcomes for **project and laboratory** courses in straight forward way rather doing it indirectly.
4. **Attendance book** has several **redundant information** and needs to be removed to avoid unnecessary duplicate entry work.
5. Need to **publish best TLP practices** (in the booklet form) of all departments at Institute level and possibly followed by presentation by all departments on one best TLP process as a part of **SHARE and CARE** principles across the department. This may help juniors to know and therefore get mentoring from seniors as a routine process.



- 6. IQAC of the department to be more focused in evaluation of the quality and document verification and also maintaining records. IQAC should enforce all standards starting from semester kick off meeting to semester exit meeting covering all aspects from COURSE PLAN to attainment of outcomes and therefore actions. It should focus more on quality of CTA assignments leading to experiential learning suggested by NEP-2020 education policy.
- 7. Class committee comprising of student's representatives to be made very strong and therefore students view on regular TLP to be collected and report is to be sent regularly to IQAC at the Institution level. Institution level external members may be involved in class committee meeting of all departments.
- 8. Needs micro level work of maintaining attendance and other records in few cases.
- 9. Detailed reports of all departments are enclosed with this.

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7	Chemical Engineering.	28-d
8	MBA.	30
9	Physics.	34
10	Chemistry.	36
11	Maths.	39


 T.D. U.P. Kulkarni
 CO-ORDINATOR-IQAC 10/9/2022
 SHRI DHARMASTHALA MANJUNATHESHWARA
 COLLEGE OF ENGINEERING AND TECHNOLOGY
 DHARWAD-580002, KARNATAKA



SDMCET-IQAC UPK <sdmcet.iqac@gmail.com>

Modified: Internal TLP audit report dated-29-9-2022/ Discussed on 9-9-2022

1 message

SDMCET-IQAC UPK <sdmcet.iqac@gmail.com>

Mon, Sep 12, 2022 at 2:32 PM

To: principal@sdmcet.ac.in

Cc: deanap.sdmcet@gmail.com, deanadmin@sdmcet.ac.in, deanacadm@sdmcet.ac.in, deanipd@sdmcet.ac.in

To:

The Principal
SDMCET
Dharwad

Please find here with the detailed observations on **TLP AUDIT done on 29-8-2022** by team members of all departments.

The work procedures and findings were discussed in all Deans/ HoDs meetings on **9-9-2022**. The observations made during the meeting are enclosed with this email for kind reference.

Thanking you

With regards.
Dr. U.P. Kulkarni
IQAC Coordinator
SDMCET, Dharwad.

 **38- TLP review Observations.pdf**
130K

INTERNAL AUDIT TEAM - TLP

04

[29/08/2022]
10-30 AM - 11-30 PM

NAME OF THE
DEPARTMENT
TO AUDIT

CIVIL :

- a) Prateek
- b) Farqandis.

E & E

Mech :

- a) S. Bindagi
- b) Shivakumar Souda

ISE

E & E :

- a) Sunil Jashi
- b) Sheelavant.

Mech

ERC :

- a) Vyas Mural
- b) Mahad.

CIVIL

CSE :

- a) Vidya Hemadri
- b) I.R. Umaji

CHEMICAL

ISE :

- a) Leena Sakhi
- b) Sadanand Jashi

MBA

Chemical :

- a) Inamdar.
- b) Ashok.

CSE

21/8/22

8.

TABA :

- a) Bharati Sunagar
 - b) Mahesh Vanjari
- } EDC

9.

PHYSICS :

- a) Raghavendra — CHEMISTRY

10.

Chemistry :

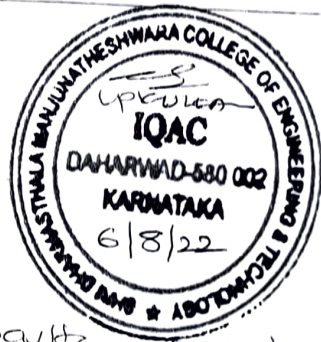
- a) Asma — MATHS

11

Maths :

- a) Versha Joshi — PHYSICS

X



NOTE: 1) Meeting of all these faculty members is scheduled on 29/8/22 at 9.30 AM in BOARD ROOM.

2) Date of AUDIT : 29/8/2022
10.30 AM TO 4.30 PM.

NOTICE

Heads of all Departments are here by informed to note the following and convey it to all the faculty members during the **KICKOFF MEETING** of the ODD semester beginning from **1st September 2022**.

→ 1. There will be a regular **surprise visit of central review team** to all the departments to take stock of **TLP related process and documents maintained** by the concerned course teachers. Few, but not limited essential components planned for verification are as below.

- **Preparation of course plan:** Experiential learning-based CTA assignments and other **note-worthy** activities and events on the top of regular planning.
 - **OBE** related course specific information: COs/ Mapping with POs and **relevant assessment tools, action plan for attainment of outcomes.**
 - **QP quality compliance** with Course outcomes.
 - Conduction of **laboratory** as per course plan and maintenance of laboratory reports.
 - Maintenance of **attendance book, adstock entries** and implementation of **Course plan for CTA** and other learning components.
2. **Quarterly** review; Strategic Plan / Department Development Plan and its implementation.
- 3. Regular conduction of **CLASS COMMITTEE** meetings with CRs, to review **class coverage** and participation of **IQAC representative from the Institution in that meeting.**
4. Use **ICT** for record maintenance and quick access: **Research/ Events/ Mentoring activity/ Parents meet etc...**
- 5. **Submission of ANNUAL (January-December) REPORT booklet,** covering all aspects of activities, event, news and noteworthy aspects, both administrative and Academics perspective.



Dr. K. Gopinath
30/8/22
Dr. K. Gopinath
PRINCIPAL

[Signature]
30/8/22
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INTERNAL AUDIT REPORT

[1st July to 30th June of latest completed Year: Odd and Even semester]

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Indicate each entry by C for complete, I for incomplete; OK, Not OK or NA if not applicable, ND for not done									
REPORT TO BE PREPARED BY THE IQAC OF THE DEPARTMENT BY VERIFYING each DOCUMENTS OF ALL FAULTY MEMBERS									
1	Dr.U.D. Hakari	C	C	C	C	NA	NA	-	
2	Prof. K. V. Pramod	C	C	C	C	NA	Q. Bank with solutions	-	
3	Dr. D. K. Kulkarni	C	C	C	C	NA	NA	-	
4	Dr. R. J. Fernandes	C	C	C	C	NA	NA	-	
5	B.M. Gudadappanavar	C	C	C	C	C	Field visit	Publications	
6	M.B. Mogali	ON LONG LEAVE (HEALTH ISSUES)							
7	S. A. Kanalli	C	C	C	C	NA	Field Study report	-	
8	P. M. Sakare	C	C	C	C	C	Site visit	Publication	
9	G S. Majjagi	C	C	C	C	C	Site visit	-	
10	P.I. Chollappanavar	C	C	C	C	NA	Field visit	-	
11	S.S. Hubballi	C	C	C	C	C	Field visit	-	
12	S.S. Chitnis	C	C	C	C	NA	NA	-	
13	Kushal Kapali	C	C	C	C	NA	NA	KSCST project	
14	Pooja Hukkeri	C	C	C	C	C	NA	-	
15	Akshata Bandi	C	C	C	C	N.A	N.A	-	
16	Vishwanath .B.Bhat	C	C	C	C	NA	Case Study 3 (Data)	-	

GENERAL OBSERVATIONS AT DEPARTMENT LEVEL

[To be filled by Auditors]

Inference & Action Plan to be fine tuned
 Attendance Register (Dots to be avoided), to continue with numbering.
 Lab Manuals to be preserved in Dept. (A11) + Lab experiment wise Co-PO mapping.
 Assignment as part of CTA to be included in course file *

D.K. 29/09/22
 Dept. IQAC Coordinator

M. 05/09/22
 Auditor-1

Sunil S. Mithal
 Auditor-2

M. 5/9
 HOD