

BHARATHIAR UNIVERSITY: COIMBATORE-641046

INTERNAL QUALITY ASSURANCE CELL

FORMAT FOR DEPARTMENT ACADMEIC AUDIT [2018-2019]

Name of the Department: NANOSCIENCE AND TECHNOLOGY

Date : 24.08.2019

Name, Designation and Address of Academic Audit Experts: Dr.C.Sekar

Faculty Members Present:

Dr.N.Ponpandian

Dr.R.T.Rajendrakumar

Dr.P.Sakthivel

Dr.C.Viswanathan

Dr.A.M.Ballmurugan

Dr.P.Premasudha

Criterion	Items	Verification Yes / No	Comments	Suggestions for improvement discipline specific
I. Curriculum	Steps followed in the designing of syllabus & Curriculum	Yes	Instead of offering discipline specific core programs, it can be integrated	No. of core subjects need to be reduced and thrust areas may be (NST) introduced.
	Contents of the Curriculum	Yes	Certain courses are too broad in nature.	Course has to be revised covering in depth knowledge
	Validation done	NO Yes	—	Curriculum to be sent for validation by expert.
	Credits allotted / distribution - logic	Yes	To be reallocated	Importance has to be attached to the core paper and more credit may be given in such cases.

Curriculum Transaction	Teaching Methods & Teaching aids	Yes	Good	To use more A/V tools.
	E-Learning Modules [Give details including MOOC courses]	Yes	Not in practice	Students may be encouraged to enroll in Swayam/MOOC programs.
	Project Work UG/PG	Yes	PG students do project work	Credit may be enhanced for the project work.
	Internal Assessment - Components - Uniqueness	Yes	Done periodically	More score may be allotted for CIA. For eg: (50 CIA / 50 Ex)
	Student Support - remedial coaching	Yes	Remedial coaching being offered	Proper record need to be maintained
	Feedback from students	Yes	Done regularly	Feedback data may be maintained in digital form
	Steps taken on the feedback	Yes	-	-

Infrastructure in the department	No. of classrooms	Yes	4	To be equipped with smart boards.
	No of laboratories	Yes	2	Sufficient laboratory
	No of computers – for teachers	Yes	7	Sufficient
	No of computers – for students	Yes	30	Number of computers may be increased
	No of computers – for research scholars	Yes	15	Number may be increased since more than 25 research scholars are there
	Details of Servers, Battery Backup System	Yes	6	—
	Names of Instruments (Only Major)	SEM, XRD Yes	SEM, XRD, FT-IR, etc.	—

Profile of students	Demand Ratio (Applications received Vs Sanctioned Strength)	Yes	1:2	-
	Students involved in extra-curricular & co-curricular activities	Yes	Students participate witnessed	Students may be encouraged to organise dept. level colloquiums.
	Study tour / industrial visits / exhibitions / internship / Training	Yes	Visiting national level labs and institutions	Students may be encouraged to visit International lab visits.
	Achievements of students (Academic, cultural etc)	Yes	Students received best oral/poster awards	Students may be encouraged to participate in various events.
	Newsletters / Magazines of the Department	Yes	Department Magazine	May be circulated to other departments.
	Placement (Ratio, Salary Level) Mention few companies	Yes	-	-
	% of students going for Research	Yes	More than 80%.	-

Activities of the department	MoUs Signed	Yes	JSS Pharmacy Only	Try for International level MoU with student & faculty exchange
	Consultancy [Nature, Amount]	Yes	Sample analysis support to other Institution	Try for consultancy with Industries in Thrust areas
	Collaborations	Yes	National / International level collaboration.	—
	Department/Association Meetings	Yes	Could be streamlined	Department association may be formed in a formal way.
	Guest lectures [Per semester]	Yes	3	—
	Conference / Seminars / Workshop conducted [Per Year]	Yes	2	—
	Extension Activity	No	—	Students camps may be organised in the nearby villages and to create awareness on the merits and demerits of Nanotechnology & Environmental awareness.
	Interaction with Industry / Research Centres / Educational Institutions	Yes	only oral consultation	To fabricate nano based devices in association with industries — Pollution Monitoring Nanotextiles etc.

Best Practice(s) / Innovations of the Department:

- Department has several high end equipments for research in the field of Nanoscience and Technology
- All the students are provided with opportunity to handle the equipments independently

Future Plans of the Department:

- To focus on producing prototypes and to develop new processes for addressing societal needs.
- To inculcate research culture among students (PG) aimed at creating ~~new~~ promoting their creativity and Innovation.

Signature of the HoD with Seal and Date

N. Ponpandian
24/8/2019
(N. PONPANDIAN)
Professor and Head
Dept. of Nano Science and Technology
Bharathiar University
Coimbatore - 641 046.

Signature of the Academic Audit Expert
(With Address)

Bromi 24/8/2019
M. C. SEKAR