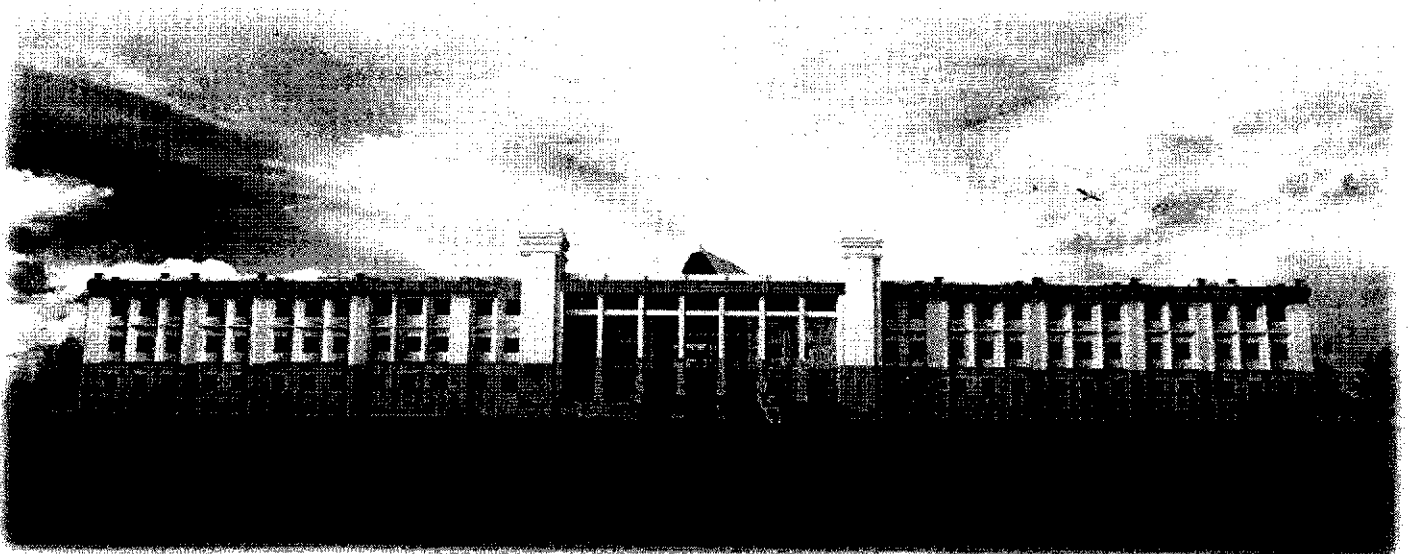


Academic Administrative Audit Report (AAAR) 2022-2023



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Academic Administrative Audit Committee

Following Committee is formed to evaluate the Academic Administrative Audit for year 2022-2023:

1. Prof. P. P. Singh	Director IQAC & Dean (Sci.)	Chairman
2. Prof. R. K. Shukla	Dean (Eng.)	Member
3. Prof. Manish Gupta	Dean (Mgt.)	Member
4. Dr. Avadhesh Sharma	IQAC Coordinator	Member Secretary

The above committee members will audit the data obtained from the various departments in the attached format. The committee may visit the departments for physical verification of the claims made.



VICE CHANCELLOR
INVERTIS UNIVERSITY
BAREILLY

Prof. YDS Arya
(Vice-Chancellor)



Registrar
Invertis University
Bareilly

Academic Administrative Audit Committee Report

The Academic Administrative Audit Committee meeting was held in the office of the Director, IQAC at 03:00 PM on 01st June 2023. The following members were present in the meeting;

1. Prof. P. P. Singh	Director IQAC & Dean (Sci.)	Chairman
2. Prof. R. K. Shukla	Dean (Eng.)	Member
3. Prof. Manish Gupta	Dean (Mgt.)	Member
4. Dr. Avadhesh Sharma	IQAC Coordinator	Member Secretary

The committee members scrutinized the data submitted by the various departments and discuss the performance of each and every department. The committee concluded the following points;

Department	Progress	Comments
Applied Science and Humanities	Satisfactory	The department has the potential to increase the number of publications. They are suggested to increase the number of publications. The achievements of the students are impressive. Overall the department's performance is satisfactory
Fashion Designing	Satisfactory	They are suggested to increase the number of publications. Overall the department's performance is satisfactory
Biotechnology	Satisfactory	The department has a good number of publications. The events organized by the department are useful for the exposure of the

		students. The students do well in the competitive exams however, the achievements of students need to be improved.
Management (BBA, B.Com.)	Satisfactory	Events are organized by the department on regular basis. They are suggested to increase the number of publications. Overall the department's performance is satisfactory
Agriculture	Satisfactory	The number of guest lectures and student achievements is very few in number. The department has the potential to do more. There is a need to focus on quality publications.
Computer Applications	Satisfactory	They are suggested to increase the number of publications. Overall the department's performance is satisfactory
Electrical & Electronics Engineering	Satisfactory	They are suggested to increase the number of publications. Overall the department's performance is satisfactory.
Civil Engineering	Satisfactory	The number of guest lectures and student achievements is very few in number. The department has the potential to do more. There is a need to focus on quality publications.
Journalism and Mass Communication	Satisfactory	They are suggested to increase the number of publications. Overall the department's performance is satisfactory
Computer Science & Engineering	Satisfactory	The department has a good number of publications. The events organized by the department are useful for the exposure of the students. The students do well in the competitive exams however, the achievements of students need to be improved.
Mechanical Engineering	Satisfactory	The department is involved in the active research and has research projects from DST, India. The publications are good in number. The achievements of students need to be improved.

Education	Satisfactory	They are suggested to increase the number of publications. Overall the department's performance is satisfactory.
Pharmacy	Satisfactory	The number of guest lectures and student achievements is very few in number. The department has the potential in R & D. There is a need to focus on quality publications.
MBA	Satisfactory	Department is suggested to increase the number of quality publications. Overall the department's performance is satisfactory

1. Prof. P. P. Singh

Director IQAC & Dean (Sci.)



2. Prof. R. K. Shukla

Dean (Eng.)



3. Prof. Manish Gupta

Dean (Mgt.)



4. Avadhesh Sharma

IQAC Coordinator




Registrar
Invertis University
Bareilly

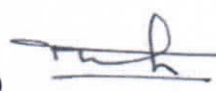



Academic Administrative Audit Committee Recommendation

The committee members reviewed the data submitted by the various departments and based on the observations suggested the following measures for the overall improvement of the University.

1. The Departments like Biotechnology, Mechanical, CS & E, Computer Applications and Applied Sciences has the potential to do well in the field of research and innovation. These departments should explore the facilities available in campus for promotion of research and innovation activities.
2. The departments like Agriculture, Pharmacy, Education and Fashion Designing should focus more on Information and communication technology (ICT) tools during lectures. They may use interactive panels, projectors and software related to their course curriculum.
3. Each department on an average organized a mega event in the form of workshops or conferences during the year. The events organized especially conferences and workshops should be organized in collaboration with professional bodies and funding should be applied to various funding bodies.
4. The involvement of the students in events of other institutions like conferences/workshops should be increased for the exposure of the students. This will motivate the students to compete at state and national level for awards and recognitions.
5. The life memberships of the professional bodies are very less in number. The faculty members may be promoted to join life memberships of the Professional Bodies for establishing fruitful collaborations in R & D.

6. The final semester students of almost every department got an opportunity to work in industry or institute for practical exposure. It is a good initiative however, the students may also be recommended for short term training during semester breaks to enhance their exposure in the relevant field.
7. It is suggested that the university should take initiative to promote skill and entrepreneurship development among students especially of professional courses to nurture their talent by enlightening them on various aspects of industrial/business activity required for start-ups.

The above recommendations/suggestions by the committee members may please be placed in the next IQAC meeting for discussion and incorporation of the same in the curriculum of the university.

- | | | |
|-----------------------|-----------------------------|---|
| 1. Prof. P. P. Singh | Director IQAC & Dean (Sci.) |  |
| 2. Prof. R. K. Shukla | Dean (Eng.) |  |
| 3. Prof. Manish Gupta | Dean (Mgt.) |  |
| 4. Avadhesh Sharma | IQAC Coordinator |  |

Approved by:



VICE CHANCELLOR,
INVERTIS UNIVERSITY
BAREILLY

Prof. YDS Arya
(Hon'ble Vice- Chancellor)


Registrar
Invertis University
Bareilly

Performa for submission of information for Academic Administrative Audit

INFORMATION FOR ACADEMIC AND ADMINISTRATIVE AUDIT OF THE DEPARTMENT

Faculty of

Department of.....

1. Departmental Goals (min. five points)

- i.
- ii.
- iii.
- iv.
- v.

2. Conference/workshop/seminar organized

S.No.	Title	Date	Name of the Convener	No. of Participants

3. Guest Lectures Organized

S.No.	Name and affiliation of expert	Title of the lecture	Date

4. Publication details (faculty members/students)

S.No.	Author (write only first author name & et.al. after that)	Title of paper	Name of Journal	Vol., issue, page number	Month & Year of Publication	Impact Factor (if any)

5. Paper presentation details (faculty members/students)

S.No.	Author (write only first author name & et.al. after that)	Title of paper	Name of conference	Place	Date

6. Conference/workshop/seminar attended by the faculty members

S.No.	Name of the faculty	Title of the conf./work./sem.	Place	Date & duration

7. Details of guest lecture/ invited talk by the faculty members

S.No.	Name of the faculty	Title	Place	Date

8. Details of session chaired by the faculty members

S.No.	Name of the faculty	Name of conference	Place	Date

9. Award/fellowship received by the faculty members

S.No.	Name of the faculty	Name of Award/Fellowship	Awarding Agency

10. Membership/association of the faculty members in professional bodies

S.No.	Name of the faculty	Name of the body/society	Membership/Association type

11. Industrial visit/excursion details (for students)

S.No.	Name Coordinator/s	Name of the class/no. of students	Industry/place of visit	Date

12. Details of Project by students

(* If there are, more than ten projects give details of ten best projects)

S.No.	Name of the student/s	Name of the guide/s	Title of the project

13. Ph.D. candidate details

S. No.	Name of the candidate	Name of the supervisor/s	Title of the Thesis	Date of registration	Status (pursuing/completed)

14. Ph.D. guidance by the faculty members

S.No.	Name of the Faculty	No. of students enrolled in IU	No. of students enrolled in other universities

15. Details of outreach/community awareness programs

S.No.	Name of the coordinator	Title/subject of the programs	Date & Place of the programs	Number of people benefitted

16. Students achievement

(e.g. qualified competitive exam, placement in top companies etc.)

17. Faculty achievement (not covered under any point above) (e.g. additional qualification/certification/NET/GATE etc.)
18. Any other achievement of the department (not covered under any point above)
(e.g. projects, grants, funds etc. received)
19. Efforts made by the department to enhance quality of teaching-learning and other activities (if any)(e.g. any innovative teaching-learning method, assessment method, MOU, value added courses etc.)
20. Any other highlights of the department (not covered under any point above)(e.g. new program started etc.)

Signature of the HOD
(Name)

Signature of the Dean
(Name)

Note: Append all the photographs, here, of various activities etc. carried out in this academic session with proper captions

Declaration by the Head of the Department/Institution:

I declare that the information provided above is true to best of my knowledge and the Academic Administrative Audit committee can verify the same during the visit/presentation.

Name of the Head of Department

Signature of the Head of Department

INTERNAL QUALITY ASSURANCE CELL

INVERTIS UNIVERSITY, BAREILLY U.P

Annual Report of the Department (Session 2022 - 2023)

1. Profile of the Department

1.1 Name of the

Department: **Biotechnology**

1.2 Establishment year of Department:

2011

1.3 Name of the head of the Department: Dr. Pankaj Kumar Rai

1.4 Programme offered by the Department:

- Diploma-
- UG– B.sc (Biotech), B.tech (Biotech), B.Sc. Forensic Science
- PG– M.Sc. (Biotech), M.Sc. (Microbiology),
- Doctorate– Phd Biotech

2. FACULTY DETAILS

3. 2.1

CADRE	NUMBER
Professor	01
Associate Professor	NIL
Assistant Professor	12
Teaching Assistant	NIL
Guest Faculty	NIL
Total	13

2.2 Faculty details with highest qualification worked in current session:

S NO.	FACULTY NAME	CADRE	QUALIFICATION
1.	Dr. Pankaj Kumar Rai	Professor	Ph.D
2.	Dr. Dinesh Prajapati	Assistant Professor	Ph.D
3.	Dr. Shashank Upadhyay	Assistant	Ph.D

		Professor	
4.	Dr. Manali Singh	Assistant Professor	Ph.D
5.	Ms. Ashal Ilyas	Assistant Professor	M.Sc
6.	Dr. Keshawanand Tripathi	Assistant Professor	Ph.D
7.	Dr. Akhilesh Kumar Pandey	Assistant Professor	Ph.D
8.	Dr. Subhomoi Borkooky	Assistant Professor	Ph.D
9.	Dr. Amit Joshi	Assistant Professor	Ph.D
10.	Dr. Shailendra Singh	Assistant Professor	Ph.D
11.	Dr. Lalita Dwivedi	Assistant Professor	Ph.D
12.	Mr. Pawan Kumar Mandal	Assistant Professor	M.Sc
13.	Ms. Saumya Tripathi	Assistant Professor	M.Sc
14.	Ms. Shivika Sood	Assistant Professor	M.Sc

2.3 Faculty: Student Ratio:

Program	Faculty: Student
UG	1:19
PG	1:7
Ph.D	1:7

2.4 Academic achievements by the faculty members:

A) PHDs awarded during the year (along with supporting documents)

S.No.	Faculty name	Topic	University	Month or Year
	NA	NA	NA	NA

B) Faculty development initiatives during the year (along with supporting documents)

S.no	Programme	Theme	Period	Place
	Faculty Development Program	18-23 July 2022	1 week	Invertis University

C) Faculty attending Conferences/seminar/workshop conducted (along with supporting documents)

Name of faculty	Name of conference/seminar/workshop	Place	Date
Dr. Akhilesh kumar Pandey	Young Scientist Conference of IISF 2022	Maulana Azad National Institute of Technology (MANIT), Bhopal	January 22-24, 2023
Dr. Pankaj Kumar Rai	Publishing research paper in high impact journal	Symbiosis university of applied sciences, Indore	February 10-11, 2023

2.5a Revenue generated from consultancy projects:(along with supporting documents)

Name of faculty	Title of consultancy project	Revenue
NA	NA	NA

2.5b Patents Published (along with supporting documents)

Patents	National	International
Filed	NA	NA
Published		
Awarded/Granted		
ToT		
No. of workshops on IPR & Innovative practices		

2.5 c Faculty Publications (Nos.)(along with supporting documents (Front page))

Name of faculty	Indexed In (Scopus, WOS, UGC-CARE, any other)	Title of Paper	Name of Journal	Link of Paper
Dr. Subhomoi Borkotoky	SCI	Computational Repurposing of Potential Dimerization Inhibitors against SARS-CoV-2 Main Protease	Letters in Drug Design & Discovery	https://doi.org/110.2174/1570180820666230111141203
	SCI	MERS Virus Spike Protein HTL-Epitopes Selection and Multi-Epitope Vaccine Design Using Computational Biology.	Journal of Biomolecular Structure & Dynamics	https://doi.org/10.1080/07391102.2023.2191137
	SCI	Interactions of angiotensin-converting	Molecular Biology Reports	https://doi.org/10.1007/s11033-022-08193-4

	SCI	<p>enzyme-2 (ACE2) and SARS-CoV-2 spike receptor-binding domain (RBD): A structural perspective.</p>	Biophysical Chemistry	<p>https://doi.org/10.1016/j.bpc.2022.106908</p>
	SCOPUS	<p>Unravelling viral dynamics through molecular dynamics simulations – A brief overview</p> <p>Medical applications of functional antimicrobial nanoparticles</p>	Antiviral and Antimicrobial coatings based on functionalized nanomaterials	<p>https://www.elsevier.com/books/antiviral-and-antimicrobial-coatings-based-on-functionalized-nanomaterials/ul-islam/978-0-323-91783-4</p>
	SCOPUS	<p>Cyanobacteria as a Source of Novel Bioactive Compounds. In Cyanobacteria as a Source of Novel Bioactive Compounds.</p> <p>The role of artificial intelligence strategies to mitigate abiotic stress and climate change in crop production. In Visualization Techniques for Climate Change with Machine Learning and Artificial Intelligence.</p>	<p>Scrivener Publishing-Willey</p> <p>Elsevier</p> <p>Journal of</p>	<p>https://doi.org/10.1002/9781119901198.ch6</p> <p>https://doi.org/10.1016/B978-0-323-99714-0.00006-6</p>

	SCI	Targeting two potential sites of SARS-CoV-2 Main Protease through computational drug repurposing.	Biomolecular Structure & Dynamics.	https://doi.org/10.1080/07391102.2022.2044907
Dr. Manali Singh	SCOPUS	<u>Optimization of Elicitation Conditions to Enhance the Production of Potent Metabolite Withanolide from Withania somnifera (L.)</u>	Metabolites	https://doi.org/10.3390/metabo12090854
	SCOPUS	Withaniasomnifera (L.) Dunal (Ashwagandha) for the possible therapeutics and clinical management of SARS-CoV-2 infection: Plant-based drug discovery and targeted therapy	Frontiers in Cellular and Infection Microbiology	https://doi.org/10.3389/fcimb.2022.933824
	SCOPUS	Agrobacterium rhizogenes as molecular tool for the production of hairy roots in Withaniasomnifera	Journal of Applied Biology & Biotechnology	https://doi.org/10.7324/JABB.2023.110201
Dr. Akhilesh Kumar Pandey	SCOPUS	Insight to chromium homeostasis for combating chromium contamination	Enviornmental Pollution, Elsevier	https://doi.org/10.1016/j.envpol.2023.121163

		of soil: Phytoaccumulato rs-based approach		
Dr. Shailendra Singh	SCOPUS/SCI/WOS	Endophytic Bacillus subtilis antagonize soil borne fungal pathogens and suppress wilt complex in chickpea (<i>Cicer arietinum</i> L.)	Frontiers in microbiology	https://doi.org/10.3389/fmicb.2022.994847
	SCOPUS/SCI/WOS	Unravelling the mechanism of Sulfur nutrition in pigeon pea inoculated with sulfur oxidizing bacteria.	Frontiers in microbiology	https://doi.org/10.3389/fmicb.2022.927702
	SCOPUS/SCI/WOS	Novel insights into understanding the molecular dialogues between Bipolaroxin and G α and G β subunit of the wheat heterotrimeric G-protein during host-pathogen interaction.	Antioxidants	https://doi.org/10.3390/antiox11091754
	SCOPUS/SCI/WOS	Sulfur-Oxidizing Bacteria from Coal Mine Enhance Sulfur Nutrition in Pigeonpea (<i>Cajanus cajan</i> L.)	Frontiers in Environmental Science	https://doi.org/10.3389/fenvs.2022.932402
	SCOPUS/SCI/WOS	Linking Soil	International Journal of Environmental Research and	https://doi.org/10.3390/ijerph19053141

		<p>Microbial Diversity to Modern Agriculture Practices: A Review</p> <p>First report of <i>Rhizoctonia solani</i> causing Banded Leaf and Sheath Blight disease in Sugarcane (<i>Saccharum officinarum</i> L.) from Ghazipur district of Uttar Pradesh, India</p>	<p>Public Health</p> <p>The Indian Journal of Agricultural Sciences</p>	<p>https://doi.org/10.56093/ijas.v92i3.122728</p>
Dr. Keshawanand Tripathi	SCOPUS	Salinity induced alterations in the growth and cellular ion content of <i>Azolla caroliniana</i> and <i>Azolla microphylla</i>	Journal of Plant Growth Regulations	https://doi.org/10.1007/s00344-022-10594-5
	SCOPUS	Unravelling viral dynamics through molecular dynamics simulations-A brief overview	Biophysical Chemistry	https://doi.org/10.1016/j.bpc.2022.106908
	SCOPUS	Physiological and proteomic studies of the cyanobacterium <i>Anabaena</i> sp. acclimated to desiccation	Current Microbiology	https://doi.org/10.1007/s00284-021-02504-x
	SCOPUS		Scrivener Publishing-	https://doi.org/10.1002/97811199011

		<p>stress</p> <p>Cyanobacteria as a Source of Novel Bioactive Compounds</p>	<p>Wiley</p>	<p><u>98.ch6</u></p>
<p>Dr Shashank Upadhaya</p>	<p>SCOPUS</p>	<p>A novel mutation (c. 1966C> T; p. Gln656Ter) in the COL7A1 gene identified in a case of dystrophic epidermolysis bullosa by whole exome sequencing</p> <p>Genome-wide association study for suicide in high-risk isolated historical population from North East India</p>	<p>Polymorphism</p> <p>Journal of Affective Disorders Reports</p>	<p>https://doi.org/10.1016/j.jadr.2022.100327</p>
<p>Saymya Tripathi</p>		<p>Comparative Forensic Characterization of Blood Components by Increased Alcoholic Concentrations</p>	<p>International Association of Advanced Materials (IAAN)</p>	<p>http://dx.doi.org/10.5185/amp.2022.010427</p>
<p>Ashal Ilyas</p>	<p>SCOPUS</p>	<p><u>Does COVID-19 lockdowns have impacted on global dengue</u></p>	<p>BMC Public Health</p>	<p>https://doi.org/10.1186/s12889-022-13720-w</p>

	SCOPUS	<p><u>burden? A special focus to India</u></p> <p><u>Implications of trimethylamine N-oxide (TMAO) and betaine in human health: beyond being osmoprotective compounds</u></p>	Frontiers Media	<p>https://doi.org/10.3389/fmolb.2022.964624</p>
Dr.Lalita Dwivedi	SCOPUS	Development of CD163 receptor-based enzyme-linked immunosorbent assay for diagnosis of porcine reproductive and respiratory syndrome virus.	3 Biotech	<p>http://doi.org.10.1007/s13205-022-03376-z</p>
Prof. Pankaj Kumar Rai	SCOPUS	In silico evaluation of natural compounds to confirm their anti-DNA gyrase activity	The Nucleus	<p>https://doi.org/10.1007/s13237-023-00426-6</p>
	SCOPUS	Microbes mediated plastic degradation: A sustainable approach for environmental sustainability	Journal of Applied Biology and Biotechnology	<p>https://doi.org/10.7324/JABB.2023.110515</p>
	SCOPUS	Understanding Mutations in Human SARS-CoV-2 Spike Glycoprotein: A	Viruses	<p>https://doi.org/10.3390/v15040856</p>

		Systematic Review & Meta-Analysis.		
	SCOPUS	A meta-analysis of differentially expressed and regulatory genes with their functional enrichment analysis for brain transcriptome data in autism spectrum disorder	Journal of Biomolecular Structure and Dynamics	https://doi.10.1080/07391102.2022.2143900
	SCOPUS	In vitro and in silico evaluations of actinomycin X2 and actinomycin D as potent anti-tuberculosis agents.	Peer j	http://doi.10.7717/peerj.14502
	SCOPUS	Endophytic nitrogen-fixing bacteria: Untapped treasure for agricultural sustainability	Journal of Applied Biology and Biotechnology	http://doi.10.7324/JABB.2023.110207
	SCOPUS	A Study On Assessment of Quality Procedure and Practices Adopted Among Hospitals in Rohilkhand Region.	Journal of Pharmaceutical Negative Results	http://doi:10.47750/pnr.2022.13.S05.186
		Effect of Country		

	SCOPUS	Made Liquor On Seed Germination, Growth And Productivity Of Abelmoschus Esculentus	Journal of Survey in Fisheries Sciences	https://doi.org/10.53555/sfs.v9i1.1310
	SCOPUS	Microbes-mediated alleviation of heavy metal stress in crops: Current research and future challenges	Journal of Applied Biology and Biotechnology	http://dx.doi.org/10.7324/JABB.2022.10s203
	Web of Science	Dilute Acid Pre-Treatment Technology for Mixed Algal Biomass for Lipid and Fermentable Sugars based Biofuel Production	Indian Journal of Natural Sciences	https://www.researchgate.net/publication/369947610_Dilute_Acid_Pre-Treatment_Technology_for_Mixed_Algal_Biomass_for_Lipid_and_Fermentable_Sugars_based_Biofuel_Production
	SCOPUS	Recent Advancements in Pretreatment Technologies for Biohydrogen Production from Biomass.	Energies	https://doi.org/10.3390/en15030999
	SCOPUS	In Vitro and In Silico Approaches for the Evaluation of Antimicrobial		

		Activity, Time-Kill Kinetics, and Anti-Biofilm Potential of Thymoquinone (2-methyl-5-propan-2-ylcyclohexa-2,5-diene-1,4-dione) against Selected Human Pathogens.	Antibiotics	https://doi.org/10.3390/antibiotics11010079
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2.6 Industry Interface (along with supporting documents)

- a) Industry Collaborations
- b) Industry Guest lectures
- c) Industry visit
- d) Industry/Real problem projects

2.7 National & International collaboration:(along with supporting documents)

- a) No. of Student Exchange
- b) No. of Faculty exchange
- c) No. of programmes conducted
- d) No. of projects /research conducted

2.8 External funded projects:(along with supporting documents)

Title of project	Name of funding agency	Amount of fund granted	Government	Non - Government
NA	NA	NA	NA	NA

2.9 Conferences /seminar/workshop conducted by the Department:(along with supporting documents)

Name of conference/seminar/workshop	Date	Number of participants
9 th International Conference on Interdisciplinary Approaches in life sciences for translational research	04-05 Nov 2022	35
Faculty Development Program	18-23 July 2022	50

2.10 Conferences proceedings and Books Published:(along with supporting documents)

Name	Book/Book Chapter				Conference Proceedings		
	Title	Publisher	year	ISBN	Title of paper	Conducted by	Publication details
Ashal Ilyas	Wheat and abiotic stress challenges	Elsevier	2023	978-0-323-95368-9			
Dr. Pankaj Kumar Rai	Laboratory	Orange	2023	935621			

	Method for Life Sciences	Publications		3542			
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Dr. Subhomoi Borkotoky	Laboratory Method for Life Sciences	Orange Publications	2023	9356213542			
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4. Student Details

4.1 Admission status:

Programme wise admission:

Programme	Number of Males				Number of Females				Within state	Outside state	Outside country
	Gen	OBC	SC/ST	Minority	Gen	OBC	S C/ S T	Minority			
B.Sc 004	34	24	2	3	48	28	3	4	138	8	00
BTCH 007	22	11	-	4	20	8	-	1	65	1	00
B.Sc 010	12	2	7	-	21	7	2	1	39	13	00
M.Sc – 004	04	04	1	-	07	09	-	-	25	00	00
M.Sc-007	04	06	-	-	07	06	-	01	23	01	00
PhD 012											
Sum of students category wise	S1 =	S2 =	S3 =	S4 =	S5 =	S6 =	S7 =	S8 =	S9 =	S10 =	S11 =
Sum of Total number of students							S1 +...+S8 =				

4.2 Ph.D. Programme

i. No. of Ph.D. awarded	2
ii. No. of Ph.D. scholars admitted	10
iii. Ph.D. scholars with University fellowship	0
iv. Ph.D. scholars with government fellowship	0
v. Ph.D. scholars (sponsored)	0

4.3 Awards & special achievements (including sports and culture) (along with supporting documents)

Name of student	ID	Awards Name	Description
NA	NA	NA	NA

4.4 Result analysis of the student

Program	Year	Number of Student admitted	Number of students appeared in even sem. exams	Number of students passed	Number of students back logged	No. above 60% Marks
B.sc Biotech	I year	53	44	44	9	35
B.sc Biotech	II year	55	55	49	6	14
B.sc Biotech	III year	30	29	28	1	25
M.sc Biotech	I year	20	18	18	3	17
M.sc Biotech	II year	19	19	19	0	19
M.sc Micro	I year	22	22	22	1	19
M.sc Micro	II year	11	11	11	0	11

B.tech Biotech	I year	29	27	27	10	17
B.tech Biotech	II year	8	8	8	0	8
B.tech Biotech	III year	8	8	8	0	8
B.tech Biotech	IV year	19	17	17	0	16
B.Sc Forensic science	I year	15	15	14	1	12
B.Sc Forensic science	II year	25	25	21	4	19

4.5 Student progression to higher education (along with supporting documents)

Program Name	No. of Student appeared in final exam	No. of Student who admitted in higher studies
B.Sc. (Biotechnology)	27	3

3.5a Students qualified in competitive national and international exams:(along with supporting documents)

Competitive exams	Qualified number of students
NET	NIL
GATE	01
SET	NIL
CAT/MAT	NIL
STATE & GOV. RECRUITMENT	NIL
PLAB	NIL
TOFEL	NIL
USMLE	NIL
DEFENCE	NIL
GMAT	NIL
GRE	NIL
AIIMS PGET	NIL
JPMER	NIL
PGIMER	NIL
Any Other	NIL

3.5b value added/ E-Learning (NPTEL, Swayam,etc.):(along with supporting documents)

- a) No. of MOOC courses opted by students
- b) No. of students qualified MOOC
- c) No. of Value added courses (Min. 30 hrs.)
- d) No. of students qualified VAC

3.6 Placements details:

Sl No	Name of the student	Program Name	Name of the company or	Package (Per annum in Rs.)
1	Sushmita Mistry	B. Tech Biotechnology	UPROAR Learning	5,00,000
2	Ritika Srivastava	M.Sc. Microbiology	Octavus	3,00,000
3	Sayyada Asna Khaton	M.Sc. Biotechnology	Skolar	3,00,000
4	Arsham Farooq	B. Tech Biotechnology	Skolar	3,00,000
5	Ruby Sahu	B. Tech Biotechnology	Skolar	3,00,000
6	Shrestha Gupta	B. Sc. Biotechnology	Skolar	3,00,000
7	Sushmita Mistry	B. Tech Biotechnology	Skolar	3,00,000
8	Shubham Tiwary	M.Sc. Microbiology	Divtav Wellness	2,00,000

3.7 Placement summary:

Program Name	No. of students in final year	Total no. of students placed	% of placement
B. Tech Biotechnology	19	04	21
M.Sc. Biotechnology	19	01	05
M.Sc. Microbiology	11	02	18
B. Sc. Biotechnology	30	01	03

3.8 Excursion activities:

S.No.	Name of activity	Date	Number of participants
1	Excursion Trip to Manali (B.Sc. Biotechnology, Forensic Science)	17 November 2022	44

3.9 No. of innovation activities: (along with supporting documents)

a) Start-ups

b) Incubations

c) No. of entrepreneur activities & participated

3.10 Alumni Contribution (along with supporting documents)

- | | |
|----------------------------|---|
| a) Delivered Guest lecture | 1 |
| b) Donated funds(amount) | 0 |

5. Curriculum design & development

Whether conducted BoS (Yes/No) - No.....


- If Yes submit the necessary documents as per BoS Guidelines.

5.1 Innovative initiative for development of Department

- a) Regular conducting guest lectures/ alumni guest lectures on research development
- b) Conducting pre seminar/ conference workshops in upcoming academic year
- c) Giving hands-on training to students in the area of research for skill development
- d) Conducting alumni guest lectures for fruitful interactions in the area of science and technology.

5.2 Education Quality Initiative by the Department

- Conducting quiz series for effective learning
- Collecting student feedback for tailored learning methods


(Name & Signature)
Dean


(Name & Signature)
HOD

- **Remarks of AAA Committee (with signature) :**


Registrar
Invertis University
Bareilly

INTERNAL QUALITY ASSURANCE CELL
INVERTIS UNIVERSITY, BAREILLY U.P
Annual Report of the Civil Engineering Department
(Session 2022 -23)

1. Profile of the Department

1.1 Name of the Department: Civil Engineering

1.2 Establishment year of Department: 2011

1.3 Name of the head of the Department: Mr. Arvind Kumar

1.4 Programme offered by the Department:

- Diploma – Diploma in Civil Engineering
- UG – B.Tech. in Civil Engineering

2. FACULTY

DETAILS 2.1

CADRE	NUMBER
Professor	NIL
Associate Professor	NIL
Assistant Professor	7
Teaching Assistant	NIL
Guest Faculty	NIL
Total	7

2.2 Faculty details with highest qualification worked in current session:

S NO.	FACULTY NAME	CADRE	QUALIFICATION
1.	Mr. Arvind Kumar	Assistant Professor	M.Tech.
2.	Mr. Kuldeep Kumar Soni	Assistant Professor	M.Tech.
3.	Mr. Awdhesh Kumar	Assistant Professor	M.Tech.
4.	Mr. Rizwan Khan	Assistant	M.Tech.

		Professor	
5.	Ms. Zeenat Bee	Assistant Professor	M.Tech.
6.	Dr. Basant Ballabh Dumka	Assistant Professor	Ph.D.
7.	Mr. Rohit Pathak	Assistant Professor	M.Tech.

2.3 Faculty: Student Ratio:

Program	Faculty: Student
Diploma	1:15
UG	

2.4 Academic achievements by the faculty members:

A) PHDs awarded during the year (along with supporting documents)

S.No.	Faculty name	Topic	University	Month or Year
	NIL			

B) Faculty development initiatives during the year (along with supporting documents)

S.no	Programme	Theme	Period	Place
1.	Faculty Development Programme	Finite Element Method for Engineering Applications	18 July- 23 July'22	Invertis University, Bareilly.
2.	One Day National Seminar	Impact of Climate Change on Ground Water and Surface Water Resources of India"	22 nd March-2023	Invertis University, Bareilly.

C) Faculty attending Conference/Seminar/Workshop conducted (along with supporting documents)



Name of faculty	Name of Conference/seminar/workshop	Place	Date
Mr. Arvind Kumar	"Finite Element Method for Engineering Application"	Invertis University Bareilly	18 July-23 July 2022
Mr. Arvind Kumar	Impact of Climate Change on Ground Water and Surface Water Resources of India"	Invertis University Bareilly	22 nd March-2023
Mr. Kuldeep kumar soni	"Finite Element Method For Engineering Application"	Invertis University Bareilly	18 July-23 July 2022
Mr. Kuldeep kumar soni	Impact of Climate Change on Ground Water and Surface Water Resources of India"	Invertis University Bareilly	22 nd March-2023
Mr. Awshesh Kumar	"Finite Element Method For Engineering Application"	Invertis University Bareilly	18 July-23 July 2022
Mr. Awshesh Kumar	Impact of Climate Change on Ground Water and Surface Water Resources of India"	Invertis University Bareilly	22 nd March-2023
Mr.Rizwan Khan	"Finite Element Method For Engineering Application"	Invertis University Bareilly	18 July-23 July 2022
Mr.Rizwan Khan	Impact of Climate Change on Ground Water and Surface Water Resources of India"	Invertis University Bareilly	22 nd March-2023
Dr.Basant Balabh Dumka	"Finite Element Method For Engineering Application"	Invertis University Bareilly	18 July-23 July 2022
Ms. Zeenat Bee	Faculty Development Programme on Geotechnical Engineering Laboratory By NPTEL-AICTE	NPTEL-AICTE	July-August 2022
Dr.Basant Balabh Dumka	Impact of Climate Change on Ground Water and Surface Water Resources of India"	Invertis University Bareilly	22 nd March-2023
Ms. Zeenat Bee	"Finite Element Method For Engineering Application"	Invertis University Bareilly	18 July-23 July 2022
Ms. Zeenat Bee	Impact of Climate Change on Ground Water and Surface Water Resources of India"	Invertis University Bareilly	22 nd March-2023
Mr. Rohit Pathak	Impact of Climate Change on Ground Water and Surface Water Resources of India"	Invertis University Bareilly	22 nd March-2023

2.5a Revenue generated from consultancy projects: (along with supporting documents)

Name of faculty	Title of consultancy project	Revenue
NIL		

2.5b Patents Published (along with supporting documents)

Patents	National	International
Filed	Nil	
Published	Nil	
Awarded/Granted	Nil	
ToT	Nil	
No. of workshops on IPR & Innovative practices	Nil	

2.5 c Faculty Publications (Nos.) (along with supporting documents (Front page))

Name of faculty	Indexed In (Scopus, WOS, UGC-CARE, any other)	Title of Paper	Name of Journal	Link of Paper
Dr. Basant Balabh Dumka	UGC -CARE	Tropical Convolution Neural Networks(TCN Ns) Based Methods for Breast Cancer Diagnosis	International journal of Scientific Research in Science and Technology	https://www.researchgate.net/publication/371968485_Tropical_Convolutional_Neural_Networks_TCN_Ns_Based_Methods_for_Breast_Cancer_Diagnosis

2.6 Industry Interface (along with supporting documents)

a) Industry Collaborations	0
b) Industry Guest lectures	2
c) Industry visit	3

d) Industry/Real problem projects

0

2.7 National & International collaboration: (along with supporting documents)

a) No. of Student Exchange

--

b) No. of Faculty exchange

--

c) No. of programmes conducted

--

d) No. of projects /research conducted

--

2.8 External funded projects: (along with supporting documents)

Title of project	Name of funding agency	Amount of fund granted	Government	Non - Government
NIL				

2.9 Conferences /seminar/workshop conducted by the Department: (alongwith supporting documents)

Name of conference/seminar/workshop	Date	Number of participant
Workshop on Virtual Lab	Oct 07-08' 2022	200
One day National Seminar on "Impact of Climate Change on Ground Water and Surface Water Resources of India"	22 March 2023	150

2.10 Conferences proceedings and Books Published: (along with supporting documents)

Name	Book/Book Chapter				Conference Proceedings		
	Title	Publisher	year	ISBN	Title of paper	Conducted by	Publication details

3. Student Details

3.1 Admission status:

Programme wise admission:

Programme	Number of Males				Number of Females				Within state	Outside state	Outside country
	Gen	OBC	SC/ST	Minority	Gen	OBC	ST/S/T	Minority			
Diploma (CE)	36	10	2	1	1	0	0	0	45	1	4
B.Tech. (CE)	38	16	3	1	4	2	0	0	51	5	8
Sum of students category wise	S1 =74	S2 =26	S3 =05	S4 =02	S5 =05	S6 =02	S7 =0	S8 =0	S9 =82	S10 =2	S11 =5
Sum of Total number of students							S1 +...+S8 = 114				

3.2 Ph.D. Programme

i. No. of Ph.D. awarded	NIL
ii. No. of Ph.D. scholars admitted	NIL
iii. Ph.D. scholars with University fellowship	NIL
iv. Ph.D. scholars with government fellowship	NIL
v. Ph.D. scholars (sponsored)	NIL

3.3 Awards & special achievements (including sports and culture) (along with supporting documents)

Name of student	ID	Awards Name	Description
NIL			

3.4 Result analysis of the student

Program	Year	Number of Student admitted	Number of student appeared in even sem. exams	Number of student passed	Number of student back logged	No. above 60% Marks
Diploma (Civil)	First Year	15	14	12	6	11
Diploma (Civil)	Second Year	17	15	10	5	9
Diploma (Civil)	Final Year	12	12	9	3	9
B.tech (Civil)	First Year	12	12	6	6	0
B.tech (Civil)	Second Year	11	11	5	6	5
B.tech (Civil)	Third Year	12	12	9	3	11
B.tech (Civil)	Final Year	29	29	29	3	24

3.5 Student progression to higher education (along with supporting documents)

Program Name	No. of Student appeared in final exam	No. of Student who admitted in higher studies
NIL	NIL	NIL

3.5a Students qualified in competitive national and international exams: (along with supporting documents)

Competitive exams	Qualified number of students
NET	
GATE	

SET	
CAT/MAT	
STATE & GOV. RECRUITMENT	
PLAB	
TOFEL	
USMLE	
DEFENCE	
GMAT	
GRE	
AIMSPGET	
JPMER	
PGIMER	
Any Other	

3.5b value added/ E-Learning (NPTEL, Swayam, etc.): (along with supporting documents)

a) No. of MOOC courses opted by students	NIL
b) No. of students qualified MOOC	NIL
c) No. of Value added courses (Min. 30 hrs.)	02
d) No. of students qualified VAC	52

3.6 Placements details:

S.No.	Name of the student	Program Name	Name of the company or organization	Package(lpa)
1	MANISH AGRAHARI	B.Tech Civil	Devi Nirman Seva, Nepal	4.2
2	SHIVA LAL AGRAHARI	B.Tech Civil	Devi Nirman Seva, Nepal	4.2
3	SHYAM SINGH	B.Tech Civil	Devi Nirman Seva, Nepal	4.2
4	KIRAN RAWAL	B.Tech Civil	SUBHA LAXMI BUILDER, Nepal	4.2
5	GOVIND BHATTA	B.Tech Civil	SUBHA LAXMI BUILDER, Nepal	4.2
6	Mohd. Saud	B.Tech Civil	Moneymate Financial Services	3.6
7	SHUBHANKAR PURI	B.Tech CIVIL	CONFIDO	3
8	SIDDHARTH SAXENA	B.Tech CIVIL	CONFIDO	3
9	Mohd. Tariq	B.Tech Civil	M/s Singhal Brothers	2
10	PRASHANT SINGH	B.Tech CIVIL	Formulaic Engineering Pvt.Ltd	1.8
11	Mohd.Nofil	B.Tech CIVIL	Formulaic Engineering Pvt.Ltd	1.8
12	Shivam Mishra	B.Tech CIVIL	Formulaic Engineering Pvt.Ltd	1.8
13	Ayush Kumar Singh	B.Tech CIVIL	Formulaic Engineering Pvt.Ltd	1.8
14	DEEPAK SINGH	B.Tech Civil	M/S Mohammad Yaseen Contractor	1.8
15	SAKSHAM AGARWAL	B.Tech Civil	Satya Sai Builder & contractor	1.8
16	SHUBHAM SHARMA	B.Tech CIVIL	Concient Structurail Projects Pvt.Ltd	1.5
17	SAYYED UZAIR ALI	B.Tech Civil	M/s Shyamveer singh contractor	1.44
18	MANVI KASHYAP	B.Tech Civil	Genrev Architronics enterprises	1.44

3. Placement summary:

Program Name	No. of students in final year	Total no. of students placed	% of placement
Diploma CE	12	0	0
B.Tech CE	29	18	62.0

3.8 Excursion activities:

S.No.	Name of activity	Date	Number of participants

3.9 No. of innovation activities: (along with supporting documents)

a) Start-ups

NIL

b) Incubations

NIL

c) No. of entrepreneur activities & participated

NIL

3.10 Alumni Contribution (along with supporting documents)

a) Delivered Guest lecture

2

b) Donated funds (amount)

NIL

4. Curriculum design & development

Whether conducted BoS (Yes/No) -No.....

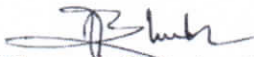
- If Yes submit the necessary documents as per BoS Guidelines.


5.1 Innovative initiative for development of Department

- a)
- b)
- c)
- d)
- e)

5.2 Education Quality Initiative by the Department

- Guest lectures
- Industrial Visit
- Seminars


(Name & Signature)
Dean


(Name & Signature)
HOD

- AAA Committee Remark (with signature):


Registrar
Invertis University
Bareilly

INTERNAL QUALITY ASSURANCE CELL

INVERTIS UNIVERSITY, BAREILLY U.P

Annual Report of the Department (Session 2022 - 23)

1. Profile of the Department

1.1.1 Name of the Department: Faculty of Computer Applications

1.1.2 Establishment year of Department: 2010

1.3 Name of the head of the Department: Dr. Archana Saxena

1.4 Programme offered by the Department:

- UG - BCA, B.Sc.(H) CS, BCA(AI) and BCA (Cloud Computing)
- PG - MCA
- Doctorate -

2. FACULTY DETAILS

2.1

CADRE	NUMBER
Professor	00
Associate Professor	00
Assistant Professor	14
Teaching Associate	2
Guest Faculty	00
Total	16

2.2 Faculty details with highest qualification worked in current session:

S NO.	FACULTY NAME	CADRE	QUALIFICATION
1.	Dr. Archana Saxena	Assistant Professor	MCA,Ph.D.(CS)
2.	Mohd. Shakeel	Assistant Professor	PGDCA, MCA, Ph.D.*
3.	Ms. Shivangi Ghildiyal	Associate Professor	M.Tech., Ph.D*
4.	Mr. Kushal Johari	Assistant Professor	MCA, M.Tech., Ph.D.*
5.	Ms. Kalpana Gangwar	Assistant Professor	M.Tech., Ph.D*
6.	Mr. Nitesh Saxena	Assistant Professor	MBA, Ph.D*

7.	Mr. Saurabh Saxena	INVERTIS UNIVERSITY BAREILLY	MCA, M.Tech.,Ph.D.*
8.	Mr. Deepak Pathak	Assistant Professor	MCA, M.Tech.,Ph.D.*
9.	Ms. Neha Chauhan	Assistant Professor	M.Tech.
10.	Ms. Navnika Kapoor	Teaching Associate	MCA
11.	Mr. Siddharth Pandey	Assistant Professor	MCA, M.Tech.,MBA(IT), Ph.D.*
12.	Mr. Gurpreet Singh	Assistant Professor	B.Tech., M.Tech.
13.	Mr. Kuldeep Singh Rana	Teaching Associate	MCA, Ph.D.*
14.	Mr. Tarun Pandey	Assistant Professor	MCA,M.Tech.
15.	Ms. Pratha Saxena	Assistant Professor	M.Sc.(CS)
16.	Ms. Jyoti Ratna	Assistant Professor	M.Tech.

2.3 Faculty: Student Ratio:

Program	Faculty : Student
Diploma	1:66 (UG+PG)
UG	
PG	
Ph.D.	

2.4 Academic achievements by the faculty members:

A) PHDs awarded during the year (along with supporting documents)

S.No.	Faculty name	Topic	University	Month or Year
	NIL			

B) Faculty development initiatives during the year (along with supporting documents)

S.no	Programme	Theme	Period	Place
1	Faculty Development Program	Emerging Research Trends in Computer Science and Engineering	18/07/22 to 23/07/2022	Invertis University

Faculty	(Scopus, WOS, UGC-CARE, any other)		Journal	
---------	------------------------------------	---	---------	--

C) Faculty attending Conferences /seminar/workshop conducted (along with supporting documents)

Name of faculty	Name of conference/seminar/workshop	Place	Date
Mr. Nitesh Saxena	"International conference on reimagining marketing with technology"(ICRMT-2023)	IIM Jammu	11-12 Feb 2022
Mohd. Shakeel	5th International Conference on Contemporary Computing and Informatics, 3rd International Conference on Advance Computing and Innovative Technologies in Engineering	Amity University, Noida	May 2022
Siddharth Pandey	5th International Conference on Contemporary Computing and Informatics (IC3I-2022)	Amity University, Noida	December 2022


2.5a Revenue generated from consultancy projects: (along with supporting documents)

Name of faculty	Title of consultancy project	Revenue
NIL		

2.5b Patents Published (along with supporting documents)

Patents	National	International
Filed	2	
Published		
Awarded/Granted		
ToT		
No. of workshops on IPR & Innovative practices		

2.5 c Faculty Publications (Nos.) (along with supporting documents (Front page))

Mr. Nitesh Saxena	Scopus	 An Analysis of Emerging Marketing Trends in Indian Political System With Special Reference To "Bharat Jodo Yatra"-A Revamping Strategy Of RAGA	IEEE (Scopus)	
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Mohd. Shakeel	Scopus	An Analysis of Different Cryptography Techniques and the role of Coding and Information Theories in Overcoming Security Threat	IEEE (Scopus)	https://ieeexplore.ieee.org/document/10072578
Siddharth Pandey	Scopus	A framework of Security attacks, issues classifications and Configuration Strategy for IoT Networks for the successful implementation	IEEE (Scopus)	https://ieeexplore.ieee.org/document/10073429
Dr. Archana Saxena	Scopus	Multimedia communication over wireless Network	Journal of Xi'an University of Architecture & Technology	https://xajzkjdx.cn/?page_id=850
Ms. Shivangi Ghildiyal		Role-Based Access Control for Cloud Security	Journal - Guangdianzi Jiguang/Journal of Optoelectronics Laser	http://www.gdzjg.org/index.php/JOL

2.6 Industry Interface (along with supporting documents)

- a) Industry Collaborations 01 (CSED)
- b) Industry Guest lectures 02
- c) Industry visit NIL
- d) Industry/Real problem projects NIL

2.7 National & International collaboration: (along with supporting documents)

- a) No. of Student Exchange 03
- b) No. of Faculty exchange NIL
- c) No. of programmes conducted NIL
- d) No. of projects /research conducted NIL

2.8 External funded projects (along with supporting documents)



Title of project	Name of funding agency	Amount of fund granted	Government	Non -Government
NIL	NIL	NIL	NIL	NIL

2.9 Conferences /seminar/workshop conducted by the Department: (along with supporting documents)

Name of conference/seminar/workshop	Date	Number of participant
Emerging Research Trends in Computer Science and Engineering	18/July/2022 - 23/July/2022	22

2.10 Conferences proceedings and Books Published: (along with supporting documents)

Name	Book/Book Chapter				Conference Proceedings		
	Title	Publisher	year	ISBN	Title of paper	Conducted by	Publication details
Mr. Nitesh Saxena	E-Commerce	Pragya Publication	2023	Pending	An Analysis Of Emerging Marketing Trends In Indian Political System With Special Reference To "Bharat Jodo Yatra"- A Revamping Strategy Of RAGA	IIM,Jammu	
Mohd. Shakeel					An Analysis of Different Cryptography Techniques and the Role of Coding and Information Theories in Overcoming Security Threats,An Examination of Cybersecurity Threats and Authentication Systems,The Design and implementation of a double layered Security Network with an Authentication	AMITY University -May 22,2023,AMITY University -July 26,2023,AMITY University -July 26,2023	

					INVERTIS Technology UNIVERSITY BAREILLY		
Siddharth Pandey					A framework of Security attacks, issues classifications and Configuration Strategy for IoT Networks for the successful implementation	Amity University	
Dr. Archana Saxena					Security Model to identify Block Withholding Attack in Blockchain	Taylor and Francis conference	

3. Student Details

3.1 Admission status:

Programme wise admission:

Programme	Number of Males				Number of Females				Within state	Outside state	Outside country
	Gen	OBC	SC/S T	Minority	Gen	OBC	ST/ SC	Minority			
BCA	399	174	31	56	110	33	08	08	738	50	NIL
MCA	44	35	07	08	16	05	00	01	101	11	NIL
B.Sc.(H)CS	29	15	02	01	11	05	02	01	61	05	NIL
BCA (AI)	13	04	01	03	06	01	00	00	25	03	NIL
BCA(Cloud)	18	08	00	00	04	02	00	00	30	02	NIL
Sum of students category wise	S1 = 503	S2 = 236	S3 = 41	S4 = 68	S5 = 147	S6 = 46	S7 = 10	S8 = 10	S9 = 955	S10 = 71	S11 = 00
Sum of Total number of students								S1 +...+S8 = 1061			

3.2 Ph.D. Programme

- | | |
|--|-----|
| i. No. of Ph.D. awarded | NIL |
| ii. No. of Ph.D. scholars admitted | NIL |
| iii. Ph.D. scholars with University fellowship | NIL |
| iv. Ph.D. scholars with government fellowship | NIL |
| v. Ph.D. scholars (sponsored) | NIL |

3.3 Awards & special achievements (sports and culture) (along with supporting documents)



Name of student	ID	Awards Name	Description
Akashdeep Singh	BC2022493	Bronze Medal	Football Championship at HBTI, Kanpur
Arnav Srivastava	BC2022212	Bronze Medal	Football Championship at HBTI, Kanpur
Rohit Solanki	BC2021106	Bronze Medal	Football Championship at HBTI, Kanpur
Utsav Agarwal	BC2021114	Bronze Medal	Football Championship at HBTI, Kanpur

3.4 Result analysis of the student

Program	Year	Number of Student admitted	Number of students appeared in odd sem. exams	Number of student passed	Number of student backlogged	No. above 60% Marks
BCA	1	461	420	196	263	133
BCA	2	214	177	130	84	91
BCA	3	133	99	49	84	23
B.Sc(H) CS	1	23	23	21	2	17
B.Sc(H) CS	2	29	26	22	7	17
B.Sc(H) CS	3	13	12	12	1	12
BCA (AI)	1	17	16	11	6	1
BCA (AI)	2	10	8	8	2	4
BCA (CC)	1	19	18	14	5	0
BCA (CC)	2	12	5	4	8	1
MCA	1	63	59	25	38	13
MCA	2	53	48	28	25	11

3.5 Student progression to higher education (along with supporting documents)

Program Name	No. of Student appeared in final exam	No. of Student who admitted in higher studies
BCA	102	
B.Sc.(H) CS	12	

3.5a Students qualified in competitive national and international exams: (along with supporting documents)

Competitive exams	Qualified number of students
NET	NIL
GATE	NIL
SET	NIL
CAT/MAT	NIL
STATE & GOV. RECRUITMENT	NIL
PLAB	NIL
TOFEL	NIL
USMLE	NIL
DEFENCE	NIL
GMAT	NIL
GRE	NIL
AIIMS PGET	NIL
JIPMER	NIL
PGIMER	NIL
Any Other	NIL

3.5b Value added/ E-Learning (NPTEL, Swayam, etc.): (along with supporting documents)

- a) No. of MOOC courses opted by students 05
- b) No. of students qualified MOOC 05
- c) No. of Value added courses (Min. 30 hrs.) NIL
- d) No. of students qualified VAC NIL

3.6 Placements details:

SL	Name	Course	Company Placed In	Package
1	Megha Saxena	MCA	Hexaware Technologies	4,00,000
			Skolar	8,00,000
			Viraaj Ventures	9,00,000
2	Divya Singh	MCA	ValueCoders	4,50,000
3	Priya Sharma	MCA	Learning Shala	5,64,000
			StockPro	6,00,000

			Skolar	8,00,000
4	Chitransh	MCA	Learning Shala	5,64,000

5	Shikhar Samant	INVERTIS UNIVERSITY BAREILLY <small>ESTABLISHED BY GOVT. OF U.P. BY ACT NO. 10 OF 1988 AND U.P. ACT NO. 17 OF 1992</small> B.Sc. (H) CS	Learning Shala	5,04,000
			Skolar	6,00,000
			WIPRO WILP	
			Intellipaat	8,65,000
6	Avinash Kumar Singh	MCA	Skolar	8,00,000

		INVERTIS UNIVERSITY BAREILLY	
			Tech Superiors Pvt. Ltd. 3,00,000
			Netsmartz Solutions Pvt. Ltd. 3,00,000
7	Vashu tewari	BCA	Global Logic Technology Private Limited 4,00,000
			Skolar 6,00,000
8	Nitanshi Dixit	B.Sc. (H) CS	Skolar 6,00,000
9	Vaishnavi Tiwari	B.Sc. (H) CS	Skolar 6,00,000
			WIPRO WILP
10	MUSKAN	BCA	Skolar 6,00,000
11	Dipali Gupta	BCA	Skolar 6,00,000
			Intellipaat 8,65,000
12	Ankit	MCA	Skolar 8,00,000
13	Ashish Gangwar	BCA	Skolar 6,00,000
14	Priya Rani	BCA	WIPRO WILP
			Skolar 6,00,000
15	Payal Gupta	BCA	Skolar 6,00,000
16	Abhinav chauhan	B.Sc. (H) CS	Skolar 6,00,000
17	Prince Pandey	B.Sc. (H) CS	Skolar 6,00,000
18	Sakshi Verma	MCA	Skolar 8,00,000
19	Anshika Gupta	MCA	StockPro 6,00,000
			Viraaj Ventures 9,00,000
			Fynocrat 7,80,000
20	Abhishek Pathak	MCA	Fynocrat 7,80,000
21	Udit Bajpai	MCA	Tech Superiors Pvt. Ltd. 3,00,000
22	Neeraj Kumar	MCA	Tech Superiors Pvt. Ltd. 3,00,000
23	Aman Singh	MCA	Tech Superiors Pvt. Ltd. 3,00,000
24	Asad Khan	MCA	Tachyonsec Systems Pvt. Ltd. 5,00,000-7,00,000
25	Ridhima Pandey	BCA	Intellipaat 8,65,000
			WIPRO WILP
26	Faizan Mansoori	BCA	WIPRO WILP
27	Sachin Gangwar	BCA	WIPRO WILP
28	Yogesh Kumar	BCA	WIPRO WILP
29	Aayush Jaiswal	BCA	WIPRO WILP
30	Shivangi Sharma	BCA	WIPRO WILP

31	Ashish Kaur	INVERTIS UNIVERSITY BAREILLY <small>ESTABLISHED BY GOVT. OF U.P. IN 1982 AND AFFILIATED TO U.P. BOARD OF TECHNICAL EDUCATION</small>	Global Logic Technology Private Limited	4,00,000
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		INVERTIS UNIVERSITY BAREILLY	WIPRO WILP	
32	Ajeet Singh	MCA	Waviator Solutions	
33	Nitesh Kaushik	MCA	Milestone	
34	Princi Sharma	MCA	Milestone	
35	Anika Maheshwari	BCA	WIPRO WILP	
36	Meenakshi Yadav	BCA	WIPRO WILP	
37	Sanya Saxena	BCA	Global Logic Technology Private Limited	4,00,000
			WIPRO WILP	
38	Anurag Katheriya	BCA	Global Logic Technology Private Limited	4,00,000
			WIPRO WILP	
39	Karan Saxena	BCA	Global Logic Technology Private Limited	4,00,000
			WIPRO WILP	
40	Anika Maheshwari	BCA	WIPRO WILP	
41	Pragati Mishra	MCA	Aditya Birla Capital	
42	Gaurav K	MCA	Milestone	
43	Arun	MCA	Promatics	
44	Mubashra Rehman	BCA	Source soft solutions	3,00,000
45	Anuvanshika Dixit	BCA	WIPRO WILP	
46	Yashraj Singh Bharti	BCA	WIPRO WILP	
47	Vedant Mishra	BCA	Global Logic Technology Private Limited	4,00,000
48	Mintu Gangwar	B.Sc.	Global Logic Technology Private Limited	4,00,000
49	Ayushi Gupta	BCA	Global Logic Technology Private Limited	4,00,000
50	Anshika Saxena	BCA	Global Logic Technology Private Limited	4,00,000
51	Shubham Verma	BCA	Global Logic Technology Private Limited	4,00,000
52	Anshveer Singh	BCA	Edugorilla Community Pvt. Ltd.	2.56
53	Priyanka Gangwar	MCA	Axiom Consulting	3,00,000
54	Devesh Raghuvanshi	MCA	Axiom Consulting	3,00,000

3.7 Placement summary:



Program Name	No. of students in final year	Total no. of students placed	% of placement
MCA	48	22	45.83 %
BCA	102	26	25.49 %
B.Sc.(H)CS	12	06	50 %

3.8 Excursion activities:

S.No.	Name of activity	Date	Number of participants
NIL	NIL	NIL	NIL

3.9 No. of innovation activities: (along with supporting documents)

- a) Start-ups NIL
- b) Incubations NIL
- c) No. of entrepreneur activities & participated NIL

3.10 Alumni Contribution (along with supporting documents)

- a) Delivered Guest lecture NIL
- b) Donated funds (amount) NIL

4. Curriculum design & development

Whether conducted BoS (Yes/No) - No.

- If Yes, submit the necessary documents as per BoS Guidelines.


5.1 Innovative initiative for development of Department

- a) New pedagogies like project based learning.
- b) Online and Offline guest lectures from Industry experts.
- c) Faculty development programs.
- d) Workshops for teachers as well as students.

5.2 Education Quality Initiative by the Department

- Feedback from students regarding the facilities and quality of teaching.
- 100% ICT enabled classrooms and seminar halls.
- Mentoring system for students so that they have holistic development.


(Name & Signature)
Dean


(Name & Signature)
HOD

- Remarks of AAA Committee (with signature) :


Registrar
Invertis University
Bareilly

INTERNAL QUALITY ASSURANCE CELL

INVERTIS UNIVERSITY, BAREILLY U.P

Annual Report of the Electrical Engineering Department

(Session 2022 -23)

1. Profile of the Department

1.1 Name of the Department: Electrical Engineering

1.2 Establishment year of Department: 2011

1.3 Name of the head of the Department: Mr. Mon Prakash Upadhyay

1.4 Programme offered by the Department:

- Diploma – Diploma in Electrical Engineering
- UG – B.Tech. in Electrical Engineering
- PG -
- Doctorate – Ph.D. (EE/ ECE)

2. FACULTY

DETAILS 2.1

CADRE	NUMBER
Professor	NIL
Associate Professor	NIL
Assistant Professor	7
Teaching Assistant	NIL
Guest Faculty	NIL
Total	7

2.2 Faculty details with highest qualification worked in current session:

S NO.	FACULTY NAME	CADRE	QUALIFICATION
1.	Mr. Mon Prakash Upadhyay	Assistant Professor	M.Tech., Ph.D. (Pursuing)
2.	Mr. Arun Kumar Gangwar	Assistant Professor	M.Tech., Ph.D. (Pursuing)

3.	Mr. Pankaj Tripathi	Assistant Professor	M.Tech.
4.	Mr. Debanjan Roy	Assistant Professor	M.Tech., Ph.D. (Pursuing)
5.	Ms. Punam Tiwary	Assistant Professor	M.Tech.
6.	Mr. Vipul Kumar Pali	Assistant Professor	M.Tech.
7.	Mrs. Sweta Agarwal	Assistant Professor	M.Tech., Ph.D. (Pursuing)

2.3 Faculty: Student Ratio:

Program	Faculty : Student
Diploma	1:12
UG	
PG	
Ph.D.	

2.4 Academic achievements by the faculty members:

A) PHDs awarded during the year (along with supporting documents)

S.No.	Faculty name	Topic	University	Month or Year
	NIL			

B) Faculty development initiatives during the year (along with supporting documents)

S.no	Programme	Theme	Period	Place
1.	Faculty Development Programme	Finite Element Method for Engineering Applications	18 July- 23 July'22	Invertis University, Bareilly.
2.	Seminar	Impact of Climate Change on Ground Water and Surface Water Resources of India"	22 nd March-2023	Invertis University, Bareilly.

C) Faculty attending Conferences /seminar/workshop conducted (along with supporting documents)

Name of faculty	Name of conference/seminar/workshop	Place	Date
Mr. Arun Kumar Gangwar	"Finite Element Method for Engineering Application"	Invertis University Bareilly	18 July-23 July 2022
Mr. Arun Kumar Gangwar	Impact of Climate Change on Ground Water and Surface Water Resources of India"	Invertis University Bareilly	22 nd March-2023
Mr. Pankaj Tripathi	"Finite Element Method For Engineering Application"	Invertis University Bareilly	18 July-23 July 2022
Mr. Pankaj Tripathi	"Recent Trend of Machine Learning Application in Grid Interconnected Electric Vehicle"	SKIT, Jaipur	31 January-04 Feb 2023
Mr. Pankaj Tripathi	Impact of Climate Change on Ground Water and Surface Water Resources of India"	Invertis University Bareilly	22 nd March-2023
Mr. Pankaj Tripathi	National Conference on Recent Advancement in Civil, Mechanical and Electrical Engineering organized by Department of Electrical, Mechanical & Civil Engineering	University of Lucknow, India	17th-18th April 2023
Mr. Vipul Pali	International Conference on Emerging Trends in Mechanical and Industrial Engineering (ICETMIE 2022)	The Northcap University, Gurugram, Haryana, India	January 2023
Mr. Vipul Pali	"Finite Element Method for Engineering Application"	Invertis University Bareilly	18 July-23 July 2022
Mr. Vipul Pali	Impact of Climate Change on Ground Water and Surface Water Resources of India"	Invertis University Bareilly	22 nd March-2023
Mrs. Sweta Agarwal	Emerging Technologies in IOT, AI and ML and Image Processing	E & ICT Academy NIT Warangal and KIET, Warangal	27 March- 5 April 2023
Mrs. Sweta Agarwal	Impact of Climate Change on Ground Water and Surface Water Resources of India"	Invertis University Bareilly	22 nd March-2023

2.5a Revenue generated from consultancy projects: (along with supporting documents)

Name of faculty	Title of consultancy project	Revenue
NIL		

2.5b Patents Published (along with supporting documents)

Patents	National	International
Filed	2	
Published	2	
Awarded/Granted		
ToT		
No. of workshops on IPR & Innovative practices		

2.5 c Faculty Publications (Nos.) (along with supporting documents (Front page))

Name of faculty	Indexed In (Scopus, WOS, UGC-CARE, any other)	Title of Paper	Name of Journal	Link of Paper
Mr. Pankaj Tripathi	SCOPUS	“Optimal Sizing of DG solar-Wind Hybrid System Using Homer”	Springer publication book series	https://link.springer.com/chapter/10.1007/978-981-19-4971-5_57#:~:text=It%20consists%2079.52%20kW%20PV,needed%20suggested%20by%20simulation%20software.

2.6 Industry Interface (along with supporting documents)

a) Industry Collaborations

b) Industry Guest lectures

c) Industry visit

d) Industry/Real problem projects

2.7 National & International collaboration: (along with supporting documents)

a) No. of Student Exchange

b) No. of Faculty exchange

c) No. of programmes conducted

d) No. of projects /research conducted

2.8 External funded projects: (along with supporting documents)

Title of project	Name of funding agency	Amount of fund granted	Government	Non - Government
NIL				

2.9 Conferences /seminar/workshop conducted by the Department: (alongwith supporting documents)

Name of conference/seminar/workshop	Date	Number of participants
Workshop on Virtual Lab	Oct 07-08' 2022	200
One day National Seminar on "Impact of Climate Change on Ground Water and Surface Water Resources of India"	22 March 2023	150

2.10 Conferences proceedings and Books Published: (along with supporting documents)

Name	Book/Book Chapter				Conference Proceedings		
	Title	Publisher	year	ISBN	Title of paper	Conducted by	Publication details
Ms. Sweta Agarwal	Microwave and radar Engineering	BFC Publications	2022	978-93-5632-580-7			

3. Student Details

3.1 Admission status:

Programme wise admission:

Programme	Number of Males				Number of Females				Within state	Outside state	Outside country
	Gen	OBC	SC/ST	Minority	Gen	OBC	ST/S/T	Minority			
Diploma (EE)	24	16	1	4	0	2	0	1	48	0	0
B.Tech. (EE)	9	3	1	3	1	1	0	1	19	0	0
B.Tech. (ECE)	1	1	0	0	0	0	0	0	2	0	0
Ph.D. (EE)	5	2	0	0	3	0	0	0	10	0	0
Ph.D. (EC)	2	0	0	0	0	0	1	0	3	0	0
Sum of students category wise	S1=41	S2=22	S3=02	S4=07	S5=04	S6=03	S7=01	S8=02	S9=82	S10=0	S11=0
Sum of Total number of students							S1 + ... + S8 = 82				

3.2 Ph.D. Programme

i. No. of Ph.D. awarded	NIL
ii. No. of Ph.D. scholars admitted	1
iii. Ph.D. scholars with University fellowship	NIL

iv. Ph.D. scholars with government fellowship

NIL

v. Ph.D. scholars (sponsored)

NIL

3.3 Awards & special achievements (including sports and culture) (along with supporting documents)

Name of student	ID	Awards Name	Description
NIL			

3.4 Result analysis of the student

Program	Year	Number of Student admitted	Number of students appeared in even sem. exams	Number of students passed	Number of students back logged	No. above 60% Marks
Diploma	I	23	17	15	6	7
Diploma	II	25	24	21	10	14
Diploma	III	18	18	15	8	9
B.Tech.	I	04	04	02	03	1
B.Tech.	II	03	03	02	01	01
B.Tech.	III	05	05	05	01	01
B.Tech.	IV	06	06	06	01	03

3.5 Student progression to higher education (along with supporting documents)

Program Name	No. of Student appeared in final exam	No. of Student who admitted in higher studies
NIL		

3.5a Students qualified in competitive national and international exams: (along with supporting documents)

Competitive exams	Qualified number of students
NET	<u>NIL</u>

GATE	<u>NIL</u>
SET	<u>NIL</u>
CAT/MAT	<u>NIL</u>
STATE & GOV. RECRUITMENT	<u>NIL</u>
PLAB	<u>NIL</u>
TOFEL	<u>NIL</u>
USMLE	<u>NIL</u>
DEFENCE	<u>NIL</u>
GMAT	<u>NIL</u>
GRE	<u>NIL</u>
AIMSPGET	<u>NIL</u>
JIPMER	<u>NIL</u>
PGIMER	<u>NIL</u>
Any Other	<u>NIL</u>

3.5b value added/ E-Learning (NPTEL, Swayam, etc.): (along with supporting documents)

a) No. of MOOC courses opted by students	NIL
b) No. of students qualified MOOC	NIL
c) No. of Value added courses (Min. 30 hrs.)	2
d) No. of students qualified VAC	18

3.6 Placements details:

S.No.	Name of the student	Program Name	Name of the company or organization	Package
1.	Prakhar Singh Pradhan	B.Tech (ECE)	Global Logic	2.5 Lakhs

3.7 Placement summary:

Program Name	No. of students in final year	Total no. of students placed	% of placement
Diploma EE	18	0	0
B.Tech EE	4	0	0
B.Tech ECE	2	1	50

3.8 Excursion activities:

S.No.	Name of activity	Date	Number of participants
	NIL		

3.9 No. of innovation activities: (along with supporting documents)

- a) Start-ups NIL
- b) Incubations NIL
- c) No. of entrepreneur activities & participated NIL

3.10 Alumni Contribution (along with supporting documents)

- a) Delivered Guest lecture 1
- b) Donated funds (amount) NIL

4. Curriculum design & development

Whether conducted BoS (Yes/No) -No.....

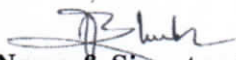
- If Yes submit the necessary documents as per BoS Guidelines.

5.1 Innovative initiative for development of Department

- a) Focusing on research for development of department
- b) Projects are assigned to the students on latest research
- c) Focusing on the strength of the students and assigned the work according to their strength.

5.2 Education Quality Initiative by the Department

- Guest lectures from Industrial specialist
- Industrial visits
- Alumni interaction
- Guest lectures from academician



(Name & Signature)

Dean



(Name & Signature)

HOD

(Electrical Engineerin

- AAA Committee Remark (with signature) :



Registrar
Invertis University
Bareilly

INTERNAL QUALITY ASSURANCE CELL

INVERTIS UNIVERSITY, BAREILLY U.P

Annual Report of the Department (Session 2022 - 23)

1. Profile of the Department

1.1 Name of the Department: Mechanical Engineering

1.2 Establishment year of Department: 2010

1.3 Name of the head of the Department: Mr. Krishna Kant

1.4 Programme offered by the Department:

- Diploma – Production/Automobile Engineering
- UG – Mechanical Engineering
- PG – Production/Thermal Engineering
- Doctorate - Mechanical Engineering

2. FACULTY DETAILS

2.1

CADRE	NUMBER
Professor	1
Associate Professor	0
Assistant Professor	10
Teaching Assistant	0
Guest Faculty	0
Total	11

2.2 Faculty details with highest qualification worked in current session:

S NO.	FACULTY NAME	CADRE	QUALIFICATION
1	Dr. Ashish Kumar Singh	Assistant Professor	Ph.D.
2	Dr. Prashant Kumar Singh	Assistant Professor	Ph.D.
3	Mr. Manoj Kumar	Assistant Professor	M.Tech
4	Mr. Mohit Pathak	Assistant Professor	M.Tech

5	Mr. Krishna Kant	Assistant Professor	M.Tech
6	Mr. Ajit Kumar Singh	Assistant Professor	M.Tech
7	Mr. Subodh Kumar	Assistant Professor	M.Tech
8	Mr. Avichal Pandey	Assistant Professor	M.Tech

2.3 Faculty: Student Ratio:

Program	Faculty : Student
Diploma	1:14
UG	
PG	
Ph.D.	

2.4 Academic achievements by the faculty members:

A) PHDs awarded during the year (along with supporting documents)

S.No.	Faculty name	Topic	University	Month or Year
1	Dr. Ashish Kumar Singh	“Isogeometric Finite element Analysis of stiffened composite plate using HSDT”	MNNIT Allahabad	April, 2023
2	Dr. Prashant Kumar Singh	“Understanding and Developing eco-design support for environmentally conscious product development”	IIT Ropar	December, 2022

B) Faculty development initiatives during the year (along with supporting documents)

S.no	Programme	Theme	Period	Place
1.	One Week Faculty Development Programme	Finite Element Method for Engineering Applications.	18-23 July 2022	Invertis University, Bareilly
2.	One day National Seminar	Impacts of Climate Change on Surface Water and ground water resources of India	22 March, 2023	Invertis University, Bareilly
3.	Two day	Virtual lab	07-08 October,	Invertis

workshop on virtual lab		2022	University, Bareilly
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C) Faculty attending Conferences /seminar/workshop conducted (along with supporting documents)

Name of faculty	Name of conference/seminar/workshop	Place	Date
Mr. Avichal Pandey	International Conclave on Materials, Energy & Climate	Indira Gandhi Delhi Technical University for Women, Delhi, India	12-14 December 2022
Mr. Avichal Pandey	ICMMTES 2022	Graphic Era Deemed to be University, Dehradun, Uttarakhand, India	09-10 December 2022
Dr. Prashant Kumar Singh	1 st Global summit on implementation of SDGs- collaboration, research and innovation	Chandigarh University	11-13 January, 2023

2.5a Revenue generated from consultancy projects: (along with supporting documents)

Name of faculty	Title of consultancy project	Revenue
Nil		

2.5b Patents Published (along with supporting documents)

Patents	National	International
Filed	Yes	
Published	Yes	
Awarded/Granted	Granted	
ToT	423247	
No. of workshops on IPR &	1	

Innovative practices		
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2.5 c Faculty Publications (Nos.) (along with supporting documents (Front page))

Name of faculty	Indexed In (Scopus, WOS, UGC-CARE, any other)	Title of Paper	Name of Journal	Link of Paper
Ajitanshu.et.al	Sci	Bacteria Encapsulation Method for Achieving Post-Fire Self-Healing in Concrete	Nature	Nature. Springer, Cham. https://doi.org/10.1007/978-3-031-33144-2_19
Ajitanshu.et.al	Scopus	Transportation Systems Technology and Integrated Management. Energy, Environment, and Sustainability.	Springer	Springer, Singapore. https://doi.org/10.1007/978-981-99-1517-0_17
Ajitanshu.et.al	Scopus	Fire-Resistance Testing Procedures for Construction Elements—A Review	Fire	Fire 6, no. 1: 5. https://doi.org/10.3390/fire6010005
Ajitanshu.et.al	Scopus	Recycling of Platinum Group Metals and Alternative Catalysts for Catalytic Converters	Journal of Structural Fire Engineering	Vol. 14 No. 3, pp. 321-343. https://doi.org/10.1108/JSFE-05-2022-0021
Ajitanshu.et.al	Scopus	Structural performance of single-skin glass façade systems exposed to fire	Engineering Fracture Mechanics	Volume 263 https://doi.org/10.1016/j.engfracmech.2022.108300
Ajitanshu.et.al	Scopus	ZIF for CO ₂ Capture: Structure, Mechanism,	MDPI	Processes 10, no. 12: 2689. https://doi.org/10.3390/10.12.2689

		Optimization, and Modeling	Processes	90/pr10122689
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2.6 Industry Interface (along with supporting documents)

- a) Industry Collaborations 0
- b) Industry Guest lectures 1
- c) Industry visit 2
- d) Industry/Real problem projects 0

2.7 National & International collaboration: (along with supporting documents)

- a) No. of Student Exchange 0
- b) No. of Faculty exchange 0
- c) No. of programmes conducted 0
- d) No. of projects /research conducted 0

2.8 External funded projects: (along with supporting documents)

Title of project	Name of funding agency	Amount of fund granted	Government	Non - Government
Post-Doc Fellowship	School of Engineering, NUI Galway (2022-2023)	Nil		

2.9 Conferences /seminar/workshop conducted by the Department: (along with supporting documents)

Name of conference/seminar/workshop	Date	Number of participant
Departmental Quiz-MECHQUIZ-2022	14 November, 2022	59
MECHDESIGN- 2023, A product design competition	28 April, 2023	47
Online guest lecture on “Basics of FEA and its applications in real world problems”	01 May, 2023	59

2.10 Conferences proceedings and Books Published: (along with supporting documents)

Name	Book/Book Chapter				Conference Proceedings		
	Title	Publisher	year	ISBN	Title of paper	Conducted by	Publication details
Nil							

3. Student Details

3.1 Admission status:

Programme wise admission:

Programme	Number of Males				Number of Females				Within state	Outside state	Outside country
	Gen	OBC	SC/ST	Minority	Gen	OBC	S T/ S T	Minority			
Diploma	17	22	01	11	01	00	00	00	50	03	00
B.Tech.	14	19	00	14	00	01	00	00	48	00	00
B.Tech. + M.Tech. (Int.)	01	00	00	01	00	00	00	00	02	00	00

M.Tech.	01	00	00	00	00	00	00	00	01	00	00
Sum of students category wise	S1 =33	S2 =41	S3 =01	S4 =26	S5 =01	S6 =01	S7 =0	S8 =00	S9 =101	S10 =03	S11 =00
Sum of Total number of students							S1 +...+S8 = 103				

3.2 Ph.D. Programme

i. No. of Ph.D. awarded	0
ii. No. of Ph.D. scholars admitted	0
iii. Ph.D. scholars with University fellowship	0
iv. Ph.D. scholars with government fellowship	0
v. Ph.D. scholars (sponsored)	0

3.3 Awards & special achievements (including sports and culture) (along with supporting documents)

Name of student	ID	Awards Name	Description
Nil			

3.4 Result analysis of the student

Program	Year	Number of Student admitted	Number of student appeared in even sem. exams	Number of student passed	Number of student back logged	No. above 60% Marks
Diploma	1 st Year (2 nd Sem.)	24	22	17	5	11
Diploma	2 nd Year (4 th Sem.)	15	14	13	1	9

Diploma	3 rd Year (6 th Sem.)	15	14	11	3	11
B. Tech	1 st Year (2 nd Sem.)	10	10	08	02	08
B. Tech	2 nd Year (4 th Sem.)	06	06	06	00	05
B. Tech	3 rd Year (6 th Sem.)	13	13	13	00	10
B. Tech	4 th Year (8 th Sem.)	19	18	17	1	1
B.Tech + M. Tech	5 th Year (10 th Sem.)	02	02	02	00	02
M. Tech	2 nd Year (4 th Sem.)	01	01	01	00	01

3.5 Student progression to higher education (along with supporting documents)

Program Name	No. of Student appeared in final exam	No. of Student who admitted in higher studies
Nil		

3.5a Students qualified in competitive national and international exams: (along with supporting documents)

Competitive exams	Qualified number of student
NET	
GATE	01
SET	
CAT/MAT	
STATE & GOV. RECRUITMENT	
PLAB	
TOFEL	
USMLE	
DEFENCE	
GMAT	
GRE	
AIMSPGET	
JIPMER	
PGIMER	
Any Other	

3.5b value added/ E-Learning (NPTEL, Swayam, etc.): (along with supporting document)

a) No. of MOOC courses opted by students	00
b) No. of students qualified MOOC	00
c) No. of Value added courses (Min. 30 hrs.)	63
d) No. of students qualified VAC	

3.6 Placements details:

S.No.	Name of the student	Program Name	Name of the company or organization	Package
1.	Vinod Kumar	B.Tech.	ACTION TESA	2.4 LPA
2.	Alankrit	B.Tech.	ACTION TESA	2.4 LPA
3.	Aniket Kumar	Diploma	ASAHI INDIA GLASS Ltd.	1.8 LPA
4.	Talib Hussain	Diploma	ASAHI INDIA GLASS Ltd.	1.8 LPA

5.	Danial Ali Khan	Diploma	ASAHI INDIA GLASS Ltd.	1.8 LPA
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3.7 Placement summary:

Program Name	No. of students in final year	Total no. of students placed	% of placement
B.Tech.	19	2	11%
Diploma	16	3	18%

3.8 Excursion activities:

S.No.	Name of activity	Date	Number of participants
	Nil		

3.9 No. of innovation activities: (along with supporting documents)

- a) Start-ups 0
- b) Incubations 0
- c) No. of entrepreneur activities & participated 0

3.10 Alumni Contribution (along with supporting documents)

- a) Delivered Guest lecture 0
- b) Donated funds (amount) 0

4. Curriculum design & development

Whether conducted BoS (Yes/No) - No


- If Yes submit the necessary documents as per BoS Guidelines.

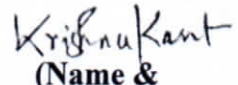
5.1 Innovative initiative for development of Department

- a) Departmental Quiz- MECHQUIZ-2022 was organized for students for competitive analysis of students.
- b) MECHDESIGN- 2023, A product design competition was organized to analyze the designing skills of students on CATIA modeling software.

5.2 Education Quality Initiative by the Department

- Online and Offline guest lectures were organized for improving education according to the industrial requirement.
- Classes were conducted for the competitive exams like GATE, SSC etc.


(Name & Signature)
Signature)
Dean


(Name &
HOD

- AAA Committee Remark (with signature) :


Registrar
Invertis University
Bareilly

INVERTIS UNIVERSITY, BAREILLY

Faculty of Agriculture

Department of Agriculture

Annual Audit Report for Session: 2022-23

1. Departmental Goals (min. five points)

1. To impart advanced scientific and technical knowledge to the students in Agriculture and Food Science domain.
2. To enhance the capability by hands on experience through practical and field work apart from the theoretical knowledge.
3. Developing capability to contribute in modern farming and technologies to meet the need of future.
4. To prepare skilled manpower in agriculture and food processing sector.
5. To develop application of scientific methods of analysis to problem solving skills to contribute and ensure the food security of the nation.
6. To prepare the students to contribute in modern agriculture, farming and post harvest processing.

1. Conference/workshop/seminar organized

S.No.	Title	Date	Name of the Convener	No. of Participants
1.	1 week FDP on "Transforming Indian Agriculture Into Agribusiness: Retrospect & Prospect"	18-23 July, 2022	Dr. Devraj Singh	30

2. Guest Lectures Organized

S.No.	Name and affiliation of expert	Title of the lecture	Date
1	Dr. Gyanendra Kumar Gaur, Principal Scientist, IVRI, Izatnagar, Bareilly	Precision Livestock Management Under Tropical Production System in Changing Climate Scenario	4 th April, 2023

3. Publication details (faculty members/students)

S.No.	Author (write only first author name & et.al. after that)	Title of paper	Name of Journal	Vol., issue, page number
1.	Abhirup et al.,	Bioactive Compounds and Therapeutic	Plant Science	DOI: <u>10.</u>

		Properties of Aloevera: A Review	Today	14719/ps t.1715, March, 2023
2	Abhirup et al.,	Bioactive compounds in cumin (Chapter 9), Spice BioactiveCompounds: Properties, Applications and Health Benefits	Taylor & Francis	https://doi.org/10.1201/9781003215387
3	Priyanka et al.,	COMPOSITE SHEET FROM CHITOSAN AND GELATINE WITH INCORPORATION OF EUGENOL AS ACTIVE COMPOUNDS	Corrosion & Protection	(2023) 51(2): 68-79
4	Snehanshu et al.,	Study of Heterosis in Alkaline , Saline Tolerant and Long Grain Rice (<i>Oryza sativa</i> L.) Genotypes Under Sodic Soil	Environment and Ecology	40(4C), 2690- 2696
5	Sharvan et al.,	A blooming response of Panchgavya on growth and yield of vegetable crop: A review	Scientist	1(2), 148-152
6	Sharvan et al.,	Evaluation of F1 hybrid and purelines for yield and its contributing traits in Fenugreek	Scientist	1(2), 165-178
7	Hridesh et al.,	Marker based characterization for rust resistant in Garden Pea	Scientist	4(4), 169-177

4. Conference/workshop/seminar/FDP/Webinar attended by the faculty members

S. No.	Name of the faculty	Title of the conf./work./sem./FDP/W ebinar	Place/Instutue Name	Date & duration
1	Er. Abhirup Mitra	Innovative Approches in Agriculture, Horticulture & Allied Sciences	Gugugram, Haryana	29-31 March,20 23
2	Dr. Sharvan Kumar	Innovative Approches in Agriculture, Horticulture & Allied Sciences	Gugugram, Haryana	29-31 March,20 23
3	Dr. Akshita Banga	Innovative Approches in Agriculture, Horticulture & Allied Sciences	Gugugram, Haryana	29-31 March,20 23
4	Dr. Sharvan Kumar	Beekeeping Farmers Training	Moradabad	14-20 March, 2023
5	Dr. Akshita Banga	Beekeeping Farmers Training	Moradabad	14-20 March, 2023
6	Er. Abhirup Mitra	Beekeeping Farmers Training	Moradabad	14-20 March, 2023

7	Dr. Devraj Singh	Transforming Indian Agriculture Into Agribusiness: Retrospect & Prospect (FDP)	Invertis Bareilly	University,	18-23 July ,2022
8	Er. Abhirup Mitra	Transforming Indian Agriculture Into Agribusiness: Retrospect & Prospect (FDP)	Invertis Bareilly	University,	18-23 July ,2022
9	Dr. Sharvan Kumar	Transforming Indian Agriculture Into Agribusiness: Retrospect & Prospect (FDP)	Invertis Bareilly	University,	18-23 July ,2022
10	Dr. Akshita Banga	Transforming Indian Agriculture Into Agribusiness: Retrospect & Prospect (FDP)	Invertis Bareilly	University,	18-23 July ,2022
11	Dr. Mudita Verma	Transforming Indian Agriculture Into Agribusiness: Retrospect & Prospect (FDP)	Invertis Bareilly	University,	18-23 July ,2022
12	Dr. Soniya Joshi	Transforming Indian Agriculture Into Agribusiness: Retrospect & Prospect (FDP)	Invertis Bareilly	University,	18-23 July ,2022
13	Dr. Vikash Kumar Yadav	Transforming Indian Agriculture Into Agribusiness: Retrospect & Prospect (FDP)	Invertis Bareilly	University,	18-23 July ,2022
14	Dr. Sandeep Kumar Diwakar	Transforming Indian Agriculture Into Agribusiness: Retrospect & Prospect (FDP)	Invertis Bareilly	University,	18-23 July ,2022

5. Details of guest lecture/ invited talk by the faculty members

S.No.	Name of the faculty	Title	Place	Date
1	Dr. Devraj Singh	Masalo ki kheti	Akashvani Radio Talk	13/6/23
2	Dr. Devraj Singh	Masalo ki kheti ki bagyanik vidhio par charcha	Doordarshan	27/2/23

6. Details of session chaired by the faculty members

S.No.	Name of the faculty	Name of conference	Place	Date
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1.	NA	NA	NA	NA
2.	NA	NA	NA	NA
3.	NA	NA	NA	NA

7. Award/fellowship received by the faculty members

S.No.	Name of the faculty	Name of Award/Fellowship	Awarding Agency
1.	NA	NA	NA

8. Membership/association of the faculty members in professional bodies

S.No.	Name of the faculty	Name the body/society	Membership/Association type
1.	Dr. Mudita Verma	Association of Food Scientists and Technologist , India (AFSTI)	Life Membership

9. Industrial visit/excursion details (for students)

S.No.	Name Coordinator/s	Name of the class/no. of students	Industry/place of visit	Date
1	Dr. Devraj Singh & Er. Abhirup Mitra	M.Sc. Food Technology	Cocacola Happiness Factory, Noida	9/10/2022
2	Dr. Sharvan Kumar, Dr. Mudita Verma, Mr. Veerendra Kumar	B.Sc.(Hons.)Agriculture	Kisan Mela	2022
3	Dr. Akshita Banga & Dr. Devraj Singh	B.Sc.(Hons.)Agriculture	Educational Trip to FRI, Dehradun	8/11/2022 to 12/11/2022
4.	Dr. Devraj Singh & Dr. Mudita Verma	M.Sc. Food Technology	Food Fair, Lucknow	2022

10. Details of Project by M.Sc. Food Technology students

(* If there are, more than ten projects give details of ten best projects)

11. Ph.D. candidate details

S.No.	Name of the candidate	Name of the supervisor/s	Title of the Thesis	Date of registration	Status (pursuing/completed)
1.	NA	NA	NA	NA	NA

S.No.	Student Name	Guide	Topic	Name of the	No. of students enrolled in IU	No. of students enrolled in other universities
1.	KHUSHBOO YADAV	Dr. Devraj Singh	Enrichment Of Multigrain Leaves Powder (Moringa olifera)	Cookies	enrolled in IU	in other universities
2	VED PRAKASH	Dr. Sharvan Kumar	Quality Characteristics of Sweet potato and Wheat Composite	Biscuits Produced by		
3	SHRIKANT CHANDRAKANT BAMANE	Er. Abhirup Mitra	Chitosan and Jackfruit Seed Starch Based Bioplastics as Alternative Packaging Material			
4	SHUBHAM SINGH	Er. Abhirup Mitra	Active Packaging Film by Incorporation of Acetic Acid	Chitosan		with
5	MANSI TEOTIA	Dr. Mudita Verm	Development Of Cookies with Date Seed Powder and Millet Flour	Incorporated with		
6	PRIYANKA	Er. Abhirup Mitra	Composite Sheet from Chitosan and Gelatine with Incorporation of Eugenol as Active Compounds			

Ph.D. guidance by the faculty members

Student Name	Course	Name qualified competitive exam, placement in top companies etc
Mr. Hritik Chauhan	B.Sc. (H.) Agriculture	Got Paid Internship Opportunity in Denmark
Mr. Amarjeet	B.Sc. (H.) Agriculture	Got Paid Internship Opportunity in Denmark
Mr. Shubham Singh	M.Sc. Food Technology	Placed in Brindavan Beverage as Quality Assurance Executive
Mr. Saurabh Pandey	M.Sc. Food Technology	Placed in Brindavan Beverage as Quality Assurance Executive
Mr. Suraj Kumar	M.Sc. Food Technology	Placed in Brindavan Beverage as Quality Assurance Executive
Ms. Shefali Pandey	M.Sc. Food Technology	Placed in Farelabs, Gurgaon as Scientist B
Mr. Shreekant Bamane	M.Sc. Food Technology	Placed in Green Tokri Farm, Pune
Ms. Mansi Teotia	M.Sc. Food Technology	AES Laboratory, Noida as Quality Executive
Mr, Sachin Kumar	M.Sc. Food Technology	Placed in Farelabs, Gurgaon as Scientist B

7	SAMRIDHI GUPTA	Dr. Sharvan Kumar	Exploration of Bitter gourd for Biscuits Preparation			
8	RIDA	Dr. Mudita Verma	Manufacturing And Quality Evaluation of Kanji Popsicles			
9	SURAJ KUMAR	Dr. Mudita Verma	Development of Protein Rich Germinated Black Soybean Pickle			
10	KARAN KUMAR	Dr. Mudita Verma	Edible Cutlery as a Substitute of Plastic Cutlery			
S.No.						
1.				NA	NA	NA

12. Details of outreach/community awareness programs

S.No.	Name of the coordinator	Title/subject of the programs	Date & Place of the programs	Number of people benefitted
1.	Dr. Sharvan Kumar, Dr. Devraj Singh, Dr. Sandeep Kumar Diwakar	Rural Agricultural Work Experience (RAWE)	Rajauparaspur, Rajauparaspur, Manoharpur, Karimpur, Malipur, Manakbadi, Umri, Sabjipur, Ratanpur kala	100 Nos. Farmers

13. Students achievement

(e.g. qualified competitive exam, placement in top companies etc.)

Mudita

Dr. Mudita Verma
(Head, Department of Agriculture)

S.S. Tripathi

Dr. S S Tripathi
(Dean, Faculty of Agriculture)

[Signature]
Registrar
Invertis University
Bareilly

Overall Progress Report

Department of Biotechnology (2022- 2023)

S.No.	Objective	Quantity	Marks
1.	Conference/ workshop/ seminar organized (2marks each)	01	02
2.	Guest Lecture Organized (2marks each)	03	06
3.	Publication (2marks each)	14	28
4.	Paper presentation (2marks each)	NIL	NIL
5.	Conference/workshop/ seminar attended by the faculty members (2marks each)	02	04
6.	Guest lecture/ invited talk by the faculty members (2marks each)	01	02
7.	Session chaired by the faculty members (2marks each)	NIL	NIL
8.	Award/ fellowship received by the faculty members (2marks each)	NIL	NIL
9.	Membership/ association of the faculty members in professional bodies (2marks each)	06	12
10.	Industrial visit/ excursion details(for student) (2marks each)	02	04
11.	Project by students (2marks each)	NIL	NIL
12.	Ph.D. candidate (2marks each)	28	56
13.	Ph.D. guidance by the faculty members (2marks each)	08	16
14.	Outreach/ community awareness program (2marks each)	NIL	NIL
15.	Student achievement (2marks each)	13	26
16.	Faculty achievement (2marks each)	NIL	NIL
17.		Grand Total	156

Overall Progress Report

Department of Agriculture (2022- 2023)

S.No.	Objective	Quantity	Marks
1.	Conference/ workshop/ seminar organized (2marks each)	NIL	NIL
2.	Guest Lecture Organized (2marks each)	NIL	NIL
3.	Publication (2marks each)	07	14
4.	Paper presentation (2marks each)	NIL	NIL
5.	Conference/workshop/ seminar attended by the faculty members (2marks each)	NIL	NIL
6.	Guest lecture/ invited talk by the faculty members (2marks each)	NIL	NIL
7.	Session chaired by the faculty members (2marks each)	NIL	NIL
8.	Award/ fellowship received by the faculty members (2marks each)	NIL	NIL
9.	Membership/ association of the faculty members in professional bodies (2marks each)	NIL	NIL
10.	Industrial visit/ excursion details(for student) (2marks each)	NIL	NIL
11.	Project by students (2marks each)	NIL	NIL
12.	Ph.D. candidate (2marks each)	NIL	NIL
13.	Ph.D. guidance by the faculty members (2marks each)	NIL	NIL
14.	Outreach/ community awareness program (2marks each)	NIL	NIL
15.	Student achievement (2marks each)	NIL	NIL
16.	Faculty achievement (2marks each)	NIL	NIL
17.		Grand Total	14

Overall Progress Report

Department of Computer Application (2022- 2023)

S.No.	Objective	Quantity	Marks
1.	Conference/ workshop/ seminar organized (2marks each)	10	20
2.	Guest Lecture Organized (2marks each)	04	08
3.	Publication (2marks each)	06	12
4.	Paper presentation (2marks each)	NIL	NIL
5.	Conference/workshop/ seminar attended by the faculty members (2marks each)	NIL	NIL
6.	Guest lecture/ invited talk by the faculty members (2marks each)	NIL	NIL
7.	Session chaired by the faculty members (2marks each)	NIL	NIL
8.	Award/ fellowship received by the faculty members (2marks each)	NIL	NIL
9.	Membership/ association of the faculty members in professional bodies (2marks each)	NIL	NIL
10.	Industrial visit/ excursion details(for student) (2marks each)	NIL	NIL
11.	Project by students (2marks each)	10	20
12.	Ph.D. candidate (2marks each)	07	14
13.	Ph.D. guidance by the faculty members (2marks each)	NIL	NIL
14.	Outreach/ community awareness program (2marks each)	NIL	NIL
15.	Student achievement (2marks each)	11	22
16.	Faculty achievement (2marks each)	NIL	NIL
17.		Grand Total	96

Overall Progress Report

Department of Electrical & Electronics Engineering (2022- 2023)

S.No.	Objective	Quantity	Marks
1.	Conference/ workshop/ seminar organized (2marks each)	03	06
2.	Guest Lecture Organized (2marks each)	05	10
3.	Publication (2marks each)	02	04
4.	Paper presentation (2marks each)	01	02
5.	Conference/workshop/ seminar attended by the faculty members (2marks each)	02	04
6.	Guest lecture/ invited talk by the faculty members (2marks each)	NIL	NIL
7.	Session chaired by the faculty members (2marks each)	01	02
8.	Award/ fellowship received by the faculty members (2marks each)	NIL	NIL
9.	Membership/ association of the faculty members in professional bodies (2marks each)	NIL	NIL
10.	Industrial visit/ excursion details(for student) (2marks each)	03	06
11.	Project by students (2marks each)	15	30
12.	Ph.D. candidate (2marks each)	NIL	NIL
13.	Ph.D. guidance by the faculty members (2marks each)	NIL	NIL
14.	Outreach/ community awareness program (2marks each)	NIL	NIL
15.	Student achievement (2marks each)	NIL	NIL
16.	Faculty achievement (2marks each)	NIL	NIL
17.		Grand Total	64

Overall Progress Report

Department of Civil Engineering (2022- 2023)

S.No.	Objective	Quantity	Marks
1.	Conference/ workshop/ seminar organized (2marks each)	04	08
2.	Guest Lecture Organized (2marks each)	01	02
3.	Publication (2marks each)	01	02
4.	Paper presentation (2marks each)	01	02
5.	Conference/workshop/ seminar attended by the faculty members (2marks each)	05	10
6.	Guest lecture/ invited talk by the faculty members (2marks each)	02	04
7.	Session chaired by the faculty members (2marks each)	NIL	NIL
8.	Award/ fellowship received by the faculty members (2marks each)	NIL	NIL
9.	Membership/ association of the faculty members in professional bodies (2marks each)	03	06
10.	Industrial visit/ excursion details(for student) (2marks each)	01	02
11.	Project by students (2marks each)	04	08
12.	Ph.D. candidate (2marks each)	NIL	NIL
13.	Ph.D. guidance by the faculty members (2marks each)	NIL	NIL
14.	Outreach/ community awareness program (2marks each)	NIL	NIL
15.	Student achievement (2marks each)	07	07
16.	Faculty achievement (2marks each)	NIL	NIL
17.		Grand Total	51

Overall Progress Report

Department of Mechanical Engineering (2022- 2023)

S.No.	Objective	Quantity	Marks
1.	Conference/ workshop/ seminar organized (2marks each)	01	02
2.	Guest Lecture Organized (2marks each)	07	14
3.	Publication (2marks each)	11	22
4.	Paper presentation (2marks each)	05	10
5.	Conference/workshop/ seminar attended by the faculty members (2marks each)	07	14
6.	Guest lecture/ invited talk by the faculty members (2marks each)	NIL	NIL
7.	Session chaired by the faculty members (2marks each)	NIL	NIL
8.	Award/ fellowship received by the faculty members (2marks each)	07	14
9.	Membership/ association of the faculty members in professional bodies (2marks each)	03	06
10.	Industrial visit/ excursion details (for student) (2marks each)	02	06
11.	Project by students (2marks each)	07	14
12.	Ph.D. candidate (2marks each)	NIL	NIL
13.	Ph.D. guidance by the faculty members (2marks each)	01	02
14.	Outreach/ community awareness programs (2marks each)	NIL	NIL
15.	Student achievement (2marks each)	23	46
16.	Faculty achievement (2marks each)	01	02
17.		Grand Total	152