

INVERTIS

UNIVERSITY BAREILLY
BUILDING VIBRANT PERSONALITIES

Criterion 6.5.1

Sample Action Plans



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INVERTIS UNIVERSITY, BAREILLY

Department of Applied Sciences

Action Plan (2015-16) (Odd & Even Semester)

“The only thing worse than being blind is having sight but no VISION”
Helen Keller

Vision

To groom professionals in the field of Basic Sciences who will bring about a qualitative change to the society through their contributions.

Mission

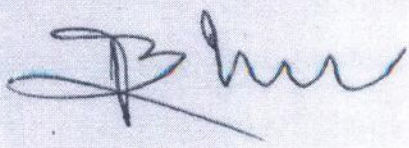
- To stimulate academic diligence, critical thinking and innovation.
- To enhance resource management skills for excellence in education
- To develop the leadership capability of the students.
- To promote holistic individuals to be catalysts for social change.

Goal:

To provide quality education for all-round development of the students.

Following are points of action to achieve the above stated goal:

1. Doing efforts to bring financial support from various funding agencies.
2. To provide a platform for students for preparing various competitive examinations.
3. At least 20% of the teachers will start Technology Enabled Learning (TEL) from this semester by using available tools such as “Classroom” by Google and virtual labs as provided by MHRD.
4. All the faculty members are Ph.D. or have to register for Ph.D. in this session.
5. Organizing various conferences/seminars and symposiums in the department for the interaction of students as well as faculties with experts of the various fields.




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Department of Applied Sciences
Action Plan (2015-16) (Odd & Even Semester)

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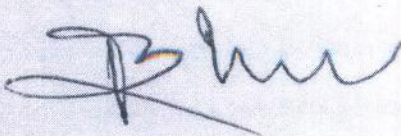
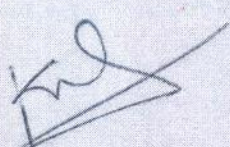
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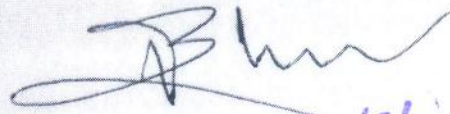
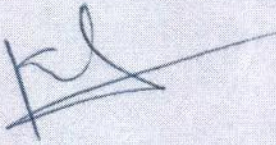
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Action Plan (2015-16) (Odd & Even Semester)

S. No.	Activity	Targeted students	Date	Status	Weightage
1	Target : A National Programme on Science day	All students of ASH	February 2016	February 27, 2016	
2	Target : Academic visit to ARIES Nainital	M.Sc. (Physics) Previour & Final Year students	February 2016	Done on 23 rd February, 2016	



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Line of action for 2015-16 (Odd & Even Semester)

The Department of Applied Sciences has adopted a comprehensive line of action to be implemented effectively in the coming semester:

S. No.	Line of Action	Persons Responsible	Time line
1	Target : A National Programme on Science day	Dr. Sahendra Pal Sharma	February 2016
3	Target : Academic visit to ARIES Nainital	Dr. Kamlesh Kumar Sharma	February 2016

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INVERTIS UNIVERSITY, BAREILLY

Department of Applied Sciences

Action Plan (2016-17) (Odd & Even Semester)

“The only thing worse than being blind is having sight but no VISION”

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Vision

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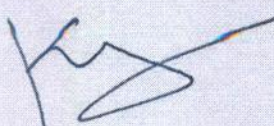
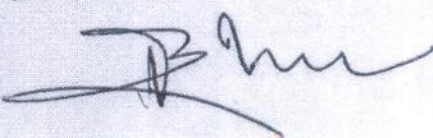
Goal:

To put our knowledge, expertise, and skills for the benefit of the students & build brand of the department.

Following are points of action to achieve the above stated goal:

1. All the faculty members are PhD or have to register for PhD in this session.
2. Efforts to be made for identifying and securing paid internship opportunities for the interested students with the help of CRC.
3. Special classes for helping the interested students preparing for NET/SLET, JAM, ZEST etc.
4. One research paper by each of the faculty members of the department.
5. At least 20% of the teachers will start Technology Enabled Learning (TEL) from this semester by using available tools such as “Classroom” by Google and virtual labs as provided by MHRD.


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Action Plan (2016-17) (Odd & Even Semester)

S.No.	Activity	Targeted students	Date	Status	Weightage
1	Target : Industrial Visit to PRL Ahmedabad and IPR Gandhinagar, Gujrat	M.Sc. (Physics) 1 st year & 2 nd year	January 2017	Done during 2-7 January 2017	
2	Target : A national programme on Science	ASH department	February 2017	Pending	
3	Target : ICRAS Conference	All students of ASH	April 2017	7-8 April 2018	

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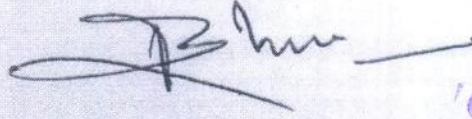
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Line of action for 2016-17 (Odd & Even Semester)

The Department of Applied Sciences has adopted a comprehensive line of action to be implemented effectively in the coming semester:

S. No.	Line of Action	Persons Responsible	Time line
1	Target : Industrial Visit to PRL Ahmedabad and IPR Gandhinagar, Gujrat	Dr. Kamlesh Kumar Sharma	January 2-7, 2017
2	Target : ICRAS Conference	Dr. Kamlesh Kumar Dubey	April 2018

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INVERTIS UNIVERSITY, BAREILLY

Department of Applied Sciences

Action Plan (2017-18) (Odd & Even Semester)

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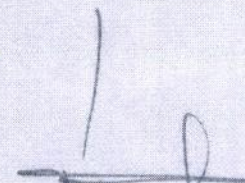
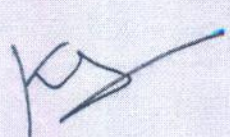
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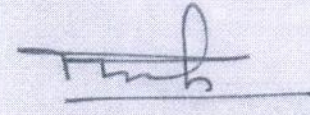
1. Doing efforts to bring financial support from various funding agencies.
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Action Plan (2017-18) (Odd & Even Semester)

S. No.	Activity	Targeted students	Date	Status	Weightage
1	Target : A National Programme on Innovation in Science	All students of ASH	October 2017	October 05 - 07, 2017	
2	Target : ICRAS Conference	All students of ASH	March 2017	09-10 March 2018	
3	Target : Academic visit to ARIES Nainital	B.Sc. (H) Ist year	April 2018	Done on April 06 2018	

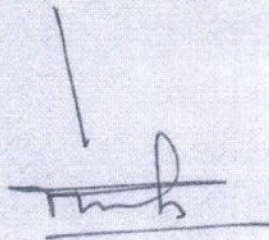
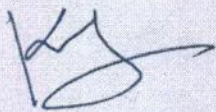


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Line of action for 2017-18 (Odd & Even Semester)

The Department of Applied Sciences has adopted a comprehensive line of action to be implemented effectively in the coming semester:

S. No.	Line of Action	Persons Responsible	Time line
1	Target : A National Programme on Innovation in Science	Dr. Kamlesh Kumar Dubey	October 2017
2	Target : ICRAS Conference	Dr. Kamlesh Kumar Dubey	March 2018
3	Target : Academic visit to ARIES Nainital	Dr. Kamlesh Kumar Sharma, Mr. Anand Awasthi and Ms Suchita Gupta	April 2018




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INVERTIS UNIVERSITY, BAREILLY

Department of Applied Sciences

Action Plan (2018-19) (Odd & Even Semester)

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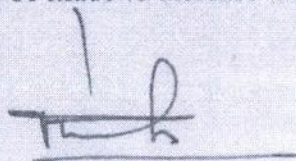
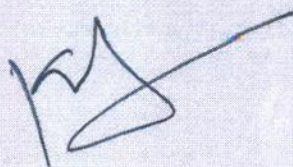
- To stimulate academic diligence, critical thinking and innovation.
- To enhance resource management skills for excellence in education
- To develop the leadership capability of the students.
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Goal:

To make student-centered teaching to enhance the skill and knowledge of the students.

Following are points of action to achieve the above-stated goal:

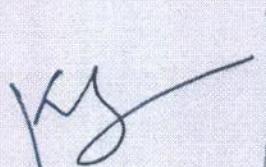
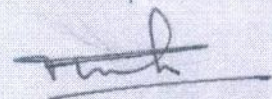
1. To encourage all faculties for project-based learning system.
2. Efforts to be made to organize various seminars/symposiums to provide sound knowledge to students.
3. At least 20% of the teachers will start Technology Enabled Learning (TEL) from this semester by using available tools such as “Classroom” by Google and virtual labs as provided by MHRD.
4. Special attention towards students who are preparing for various national level examinations
5. Efforts to be made to increase the number of research publications by faculty members.




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Action Plan (2018-19) (Odd & Even Semester)

S. No.	Activity	Targeted students	Date	Status	Weightage
1	Target : Visit to Kumaon hills, Nainital	BSc(ZBC), II year	October 2018	Done on 22 nd Oct. 2018	
2	Target : Academic Visit to Indian Veterinary Research Institute (IVRI), Izzatnagar, Bareilly	B.Sc (ZBC) and B.Sc B.Ed, III Year	October 2018	Done on 31 st Oct. 2018	
3	Target : Visit to Hilly areas of Nainital, Uttarakhand	BSc, II and III year	November 2018	Done on 01 Nov. 2018	
4	Target : Industrial visit to COCA COLA Bareilly	M.Sc. (Chem.), I Year	February 2019	Done on 01 February 2019	
5	Target: 3rd International Conference on Recent Advances in Science (ICRAS-2019)	All Students of ASH	March 2019	Done on 01-02 March 2019	
6	Target : Academic Visit to Department of Biotechnology, Invertis University, Bareilly	B.Sc (ZBC) and B.Sc B.Ed, III Year	April 2019	Done on 05 April 2019	
7	Target : Guest Lecture in PCM	Students of BSc (H) and BSc (PCM)	April 2019	Done on 024 April to 30 April 2019	

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Line of action for 2018-19 (Odd & Even Semester)

The Department of Applied Sciences has adopted a comprehensive line of action to be implemented effectively in the coming semester:

S. No.	Line of Action	Persons Responsible	Time line
1	Target : Visit to Kumaon hills, Nainital	Dr. Mohammad Mazid and Ms. Sharandha Sharma	October 2018
2	Target : Academic Visit to Indian Veterinary Research Institute (IVRI), Izzatnagar, Bareilly	Dr. Mohammad Mazid and Ms. Sharandha Sharma	October 2018
3	Target : Visit to Hilly areas of Nainital, Uttarakhand	Mr. Shashank Chauhan	November 2018
4	Target : Industrial visit to COCA COLA Bareilly	Dr. D Arumugam and Dr. Sanchita Baitalik	February 2019
5	Target: 3rd International Conference on Recent Advances in Science (ICRAS-2019)	Dr Kamlesh K Sharma	March 2019
6	Target : Academic Visit to Department of Biotechnology, Invertis University, Bareilly	Dr. Sandipan Gupta and Dr. Satendra Singh	April 2019
7	Target : Guest Lecture in PCM	Dr Kamlesh K Dubey	April 2019

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INVERTIS UNIVERSITY, BAREILLY

Department of Applied Sciences

Action Plan (2019-20) (Odd & Even Semester)

“The only thing worse than being blind is having sight but no VISION”
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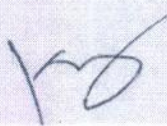
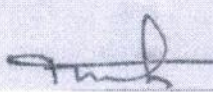
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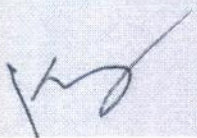
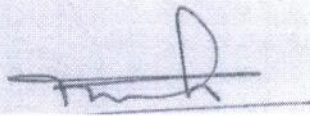
1. All the faculty members are PhD or have to register for PhD in this session.
2. Atleast two research proposals will be submitted to funding agencies in academic session 2019-2020.
3. Efforts to be made for identifying and securing paid internship opportunities for the interested students with the help of CRC.
4. Special classes for helping the interested students preparing for NET/SLET, JAM, ZEST etc.
5. One research paper by each of the faculty members of the department.
6. Atleast 20% of the teachers will start Technology Enabled Learning (TEL) from this semester by using available tools such as “Classroom” by Google and virtual labs as provided by MHRD.


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Action Plan (2019-20) (Odd & Even Semester)

S. No.	Activity	Targeted students	Date	Status	Weightage
1	Target : Industrial Visit to NBRI and NBFGR Lucknow	B.Sc. ZBC IInd and IIIrd year	August 2019	Done on 30 th Aug. 2019	
2	Target : Industrial Visit to LSBRC Uttarakhand	B.Sc. ZBC Ist year	Sep./Oct. 2019	Done on 4 th Oct. 2019	
3	Target : Academic visit to Science city Jaipur	B.Sc. PCM & B.Sc.(H) IInd year	October 2019	Done on 9 th -12 th Oct. 2019	
4	Target : Academic visit to ARIES Nainital	B.Sc. (H) Ist year	October 2019	Done on 10 th -11 th Oct. 2019	
5	Target : Guest Lecture in Operation Research	M.Sc. Maths IInd year	October 2019	Done on 14 th -19 th Oct. 2019	
6	Target : Academic visit to IIT Kanpur	M.Sc. (Phy.) Ist year	November 2019	Done	
7	Target : Industrial Visit to NESTLE Rudrapur or COCA COLA Bareilly	M.Sc. (Chem.)All & B.Sc. Chem. IIIrd year	January 2020	Done	
8	Target : ICRAS Conference	All students of ASH	28-29 Feb 2020	Done	
9	Target : MATLAB Workshop	B.Sc.(H) Ist. IInd year & M.Sc. Maths All	March 2020	Pending	
10	Target : Industrial Visit to IFFCO Aonla	M.Sc. (Chem.)All & B.Sc. Chem. IIIrd year	March 2020	Pending	
11	Target : Guest Lecture in PCM and Life Science	All students of ASH	April 2020	Pending	


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Line of action for 2019-20 (Odd & Even Semester)

The Department of Applied Sciences has adopted a comprehensive line of action to be implemented effectively in the coming semester:

S. No.	Line of Action	Persons Responsible	Time line
1	Target : Industrial Visit to NBRI and NBFGR Lucknow	Dr. Sneha Verma	August 2019
2	Target : Industrial Visit to LSBRC Uttarakhand	Dr. Sneha Verma and Dr. Santosh Joshi	Sep./Oct. 2019
3	Target : Academic visit to Science city Jaipur	Dr. Sanjeev Jain and Dr. Ruchi Mishra	October 2019
4	Target : Academic visit to ARIES Nainital	Dr. Avadhesh Sharma and Dr. Kirti Barnwal	October 2019
5	Target : Guest Lecture in Operation Research (By Dr. Parul Agrawal MJPRU Bareilly)	Dr. K. K Dubey	October 2019
6	Target : Academic visit to IIT Kanpur	Dr. S.P Gautam	November 2019
7	Target : Industrial Visit to NESTLE Rudrapur	Dr.Kirti Barnwal and CI of M.Sc. Chem.	January 2020
8	Target : ICRAS Conference	Dr. Sandeep Kumar Dixit and Team	28-29 Feb 2020
9	Target : MATLAB Workshop	Dr.Akansha Shukla and Ms.Samriddhi Saxena	March 2020
10	Target : Industrial Visit to IFFCO Aonla	Dr.D. Arumugam and Dr.Sandeepan Mehty	March 2020
11	Target : Guest Lecture in PCM and Life Science	Dr. K. K Dubey	April 2020

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INVERTIS UNIVERSITY, BAREILLY

Department of Civil Engineering

Vision

The vision of the Department of Civil Engineering is to impart quality knowledge theoretically and practically to enable the learners of undergraduate course to generate and develop skills to serve nation in the field of civil engineering and enable to be recognized internationally. The learners would be able to develop themselves as researchers and can be an asset for advanced inventions in the respective field through integration of education and leadership.

Mission

The mission of the Department of Civil Engineering is to prepare students for professional practice, graduate study, life-long learning, and societal leadership and to improve the scientific and technological basis for civil and environmental engineering practice. To fulfill this mission, the Department seeks to provide a high quality undergraduate program with instruction in all the fundamental areas of civil engineering, to conduct a distinguished program of research and graduate study in selected areas of civil engineering, and to disseminate advanced technical knowledge to engineers, other professionals, and the public. This is accomplished as per following-

- One of the methods used to determine strategic goals for the department is a Strengths, Weaknesses, Opportunities, and Threats (SWOT) analysis.
- To provide the facilities and environment conducive to high quality education to get diverse career as well as research in the field of Civil Engineering.
- To engage the students in academic as well as scholarly activities, that strengthens the department reputation in the global market.


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- To ensure faculty and student's participation in design projects, research, or other similar activities, essential to their professional development and societal development.

Goal:

Based on the results of the SWOT analyses, as well as discussions that followed, the following strategic goals were developed to address critical areas identified through this process:

To achieve the above-stated goal following actions will be taken by the department:

- Revise the undergraduate syllabus to meet need of the profession.
- Improve the diversity of student body and personality.
- Enhance the research work of undergraduate students.

Action Plan (2018-19)

S. No.	Activity	Date	Status
1	Site visit to "Nani Kingdom, Multi Residential Project Bhowali" by Earthcon Construction Ltd.	20 Sept, 2018	Completed
2	Guest lecture on "Ground Improvement Technique" by Dr.Sarvesh Chandra, Department of Civil Engineering, IIT Kanpur	04 Oct, 2018	Completed
3	Industrial visit to Mini Ratna Category 1 PSU NHPC Banbassa(Uttarakhand)	15 Oct, 2018	Completed
4	Site visit to "City Mall Construction Nanintal" by Earthcon Construction Ltd.	26 Oct, 2018	Completed
5	Guest Lecture on "Climate Change and Urban Flooding" by Dr. S.K Gosh, HOD Civil Engineering, IIT Roorkee	04 Nov, 2019	Cancelled

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Line of action for 2018-19

The Department of Civil Engineering has adopted a comprehensive line of action to be implemented effectively in the coming academic year:

S. No.	Line of Action	Persons Responsible	Timeline
1	Site visit to "Nani Kingdom, Multi Residential Project Dhowal" by Bartheon Construction Ltd.	Mr. Kaustubh Shankar Pandey	Aug 2018- Sept 2018
2	Guest lecture on "Ground Improvement Technique" by Dr. Sarvesh Chandra, Department of Civil Engineering, IIT Kanpur	Mr. Awadhesh Kumar	Sept 2018- Oct 2018
3	Industrial visit to Mini Ratna Category I PSU NHPC Dambassa (Uttarakhand)	Mr. Awadhesh Kumar	Sept 2018- Oct 2018
4	Site visit to "City Mall Construction Nainital" by Bartheon Construction Ltd.	Mr. Kaustubh Shankar Pandey	Oct 2018- Nov 2018
5	Guest Lecture on "Climate Change and Urban Flooding" by Dr. S.K Gosh, HOD Civil Engineering, IIT Roorkee	Mr. Arvind Kumar	Nov 2018- Dec 2018


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Department of Civil Engineering

Vision

The vision of the Department of Civil Engineering is to impart quality knowledge theoretically and practically to enable the learners of undergraduate course to generate and develop skills to serve nation in the field of civil engineering and enable to be recognized internationally. The learners would be able to develop themselves as researchers and can be an asset for advanced inventions in the respective field through integration of education and leadership.

Mission

The mission of the Department of Civil Engineering is to prepare students for professional practice, graduate study, life-long learning, and societal leadership and to improve the scientific and technological basis for civil and environmental engineering practice. To fulfill this mission, the Department seeks to provide a high quality undergraduate program with instruction in all the fundamental areas of civil engineering, to conduct a distinguished program of research and graduate study in selected areas of civil engineering, and to disseminate advanced technical knowledge to engineers, other professionals, and the public. This is accomplished as per following-

- One of the methods used to determine strategic goals for the department is a Strengths, Weaknesses, Opportunities, and Threats (SWOT) analysis.
- To provide the facilities and environment conducive to high quality education to get diverse career as well as research in the field of Civil Engineering.
- To engage the students in academic as well as scholarly activities, that strengthens the department reputation in the global market.


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- To ensure faculty and student's participation in design projects, research, or other similar activities, essential to their professional development and societal development.

Goal:

Based on the results of the SWOT analyses, as well as discussions that followed, the following strategic goals were developed to address critical areas identified through this process:

To achieve the above-stated goal following actions will be taken by the department:

- Enhance facilities for research and support of faculty members personally.
- Implement new department organization to support strategic plan.
- Develop high impact research work and publications.

Action Plan (2019-20)

S. No.	Activity	Date	Status
1	Site visit to "Seelampur Highway and Bridge Construction, New Delhi" by Gawar Construction Ltd.	11 Oct, 2019	Completed
2	Guest lecture on "Structural Dynamics An Overview" by Mr. Kaustubh Mani, Senior Material Manager, Indian Railway, IRSS officer.	19 Oct, 2019	Completed
3	Seminar on "Career Perspective in Indian Construction Industry After Graduation in Civil Engineering" by Mr. Vinodh Singh Sisodia, Project Assistant (Construction Industry Development Council)	27 Jan, 2020	Completed
4	Webinar on "Using White Cement and Value Added Products for Protection, Durability & Aesthetics of the Structures with Economy" by Mr. Anvesh K Singh, DGM/Zonal Head, JK Cement Ltd.	22 April, 2020	Completed
5	Webinar on "Public Health Issues in Relation to Corona Menace & its Prevention" by Dr. Anil Kumar Sharma, Joint Director (Animal	24 April, 2020	Cancelled

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	Husbandary Deptt., Govt. of Uttar Pradesh)		
6	Webinar on "Virtual Lab Through Online Mode" by Mr. Amit Kumar Sharma & Mr. Chetan Dhiman Project Associate, Virtual lab IIT Roorkee	01 May, 2020	Completed
7	Webinar on "Covid-19 & Its Environmental Linkages" by Prof. Naveen Kumar Arora, HOD Environmental Science, BBAU, Lucknow.	03 May, 2020	Completed
8	National webinar on "Pandemic, Lockdown & Way Forward" by Major General Manoj Kumar Bindal Executive Director NIDM	15 May, 2020	Completed
9	Webinar on "Geometric Design of Roads & Highways" by Er. Sujeet Dubey, Project Planning Co-ordinator and Highway Design Engineer, Artefact Projects Ltd, Nagpur.	20 May, 2020 to 21 May, 2020	Completed
10	Webinar on "Special Concrete" by Er. Jayesh Parmar, Regional Head (Delhi/Haryana) UltraTech Ltd.	27 May, 2020	Completed
11	National webinar on "Pandemic and Indian Economy" by Major General Manoj Kumar Bindal Executive Director NIDM	28 May, 2020	Completed

Line of action for 2019-20

The Department of Civil Engineering has adopted a comprehensive line of action to be implemented effectively in the coming academic year:

S. No.	Line of Action	Persons Responsible	Timeline
1	Site visit to "Seelampur Highway and Bridge Construction, New Delhi" by Gawar Construction Ltd.	Mr. Kuldeep Soni <i>Kuldeep Soni</i>	Sept 2019- Oct 2019

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2	Guest lecture on "Structural Dynamics An Overview" by Mr. Kaustubh Mani, Senior Material Manager, Indian Railway, IRSS officer.	Mr. Awdhesh Kumar	Sept 2019- Oct 2019
3	Seminar on "Career Perspective in Indian Construction Industry After Graduation in Civil Engineering" by Mr. Vinodh Singh Sisodia, Project Assistant (Construction Industry Development Council)	Mr. Arvind Kumar	Jan 2020- Feb 2020
4	Webinar on "Using White Cement and Value Added Products for Protection, Durability & Aesthetics of the Structures with Economy" by Mr. Anvesh K Singh, DGM/Zonal Head; JK Cement Ltd.	Mr. Awdhesh Kumar	April 2020
5	Webinar on "Public Health Issues in Relation to Corona Menace & its Prevention" by Dr. Anil Kumar Sharma, Joint Director (Animal Husbandary Deptt., Govt. of Uttar Pradesh)	Mr. Awdhesh Kumar	April 2020
6	Webinar on "Virtual Lab Through Online Mode" by Mr. Amit Kumar Sharma & Mr. Chetan Dhiman Project Associate, Virtual lab IIT Roorkee	Mr. Arvind Kumar	May 2020
7	Webinar on "Covid-19 & Its Environmental Linkages" by Prof. Naveen Kumar Arora, HOD Environmental Science, BBAU, Lucknow.	Mr. Awdhesh Kumar	May 2020
8	National webinar on "Pandemic, Lockdown & Way Forward" by Major General Manoj Kumar Bindal Executive Director NIDM	Mr. Awdhesh Kumar	May 2020
9	Webinar on "Geometric Design of Roads & Highways" by Er. Sujeet Dubey, Project Planning Co-ordinator and Highway Design Engineer, Artefact Projects Ltd, Nagpur.	Mr. Arvind Kumar	May 2020
10	Webinar on "Special Concrete" by Er. Jayesh Parmar, Regional Head (Delhi/Haryana) UltraTech Ltd.	Mr. Ankit Kumar	May 2020
11	National webinar on "Pandemic and Indian Economy" by Major General Manoj Kumar Bindal Executive Director NIDM	Mr. Awdhesh Kumar	May 2020

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Department of Computer Science and Engineering

“Successful and unsuccessful people do not vary greatly in their abilities. They vary in their desires to reach their potentials.” - John Maxwell

Vision

To groom professionals in the field of Computer Science who will bring about a qualitative change to the society through their contributions.

Mission

- To impart high quality professional technical training at the postgraduate and undergraduate level with an emphasis on basic principles of computer science and engineering.
- To stimulate academic diligence, critical thinking and innovation.
- To empower the students with the required skills to solve the complex technological problems of modern society and also provide them with a framework for promoting collaborative and multidisciplinary activities.
- To develop the leadership capability of the students.

Goal:

To put our knowledge, expertise, and skills for the benefit of the students & build brand of the department.

Following are points of action to achieve the above stated goal:

1. To conduct a board of studies meeting.
2. All the faculty members are advised to enroll for Ph.D.
3. To conduct various workshops on leading technologies.
4. One research paper by each of the faculty members of the department per year.

Action Plan (2015-16)

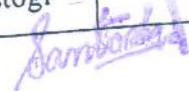
S. No	Activity	Date	Status
1	Meeting of Board of Studies	29 December 2016	Successfully Organized
2	Two days workshop on “Android Application development”	2-3 November 2015	Successfully Organized
3	Mr. Rahul Rastogi Enrolled for Ph. D.	14 February 2015	Enrolled


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Line of action for 2015-16

The Department of Computer Science and Engineering has adopted a comprehensive line of action to be implemented effectively in the coming academic year:

S. No	Line of Action	Person Responsible	Timeline
1	Meeting of Board of Studies	Dr. R. S. Shukla	29 December 2016
2	Two days workshop on "Android Application development"	Mr. Suhail javed	2-3 November 2015
3	Enrollment for Ph. D.	Mr. Rahul Rastogi	14 February 2015



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Department of Computer Science and Engineering

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- To develop the leadership capability of the students.

Goal:

To put our knowledge, expertise, and skills for the benefit of the students & build brand of the department.

Following are points of action to achieve the above stated goal:

1. To conduct different workshop and seminars for students for enhancing their knowledge according to industry need.
2. One research paper by each of the faculty members of the department per year.
3. Motivate students to crack the different competitive exams like gate, net etc.

Action Plan (2016-17)

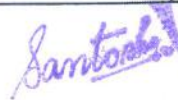
S. No	Activity	Date	Status
1	2 days workshop on “Advance Java Technologies” by Softpro IT Industry, Lucknow	25-26 September 2017	Successfully Done
2	Research Papers by faculty members	9 September 2017	Successfully done


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Line of action for 2016-17

The Department of Computer Science and Engineering has adopted a comprehensive line of action to be implemented effectively in the coming academic year:

S. No	Line of Action	Person Responsible	Timeline
1	2 days workshop on "Advance Java Technologies" by Softpro IT Industry, Lucknow	Mr. Suhail Javed	25-26 September 2017
2	Research Papers by faculty members	Dr. Gaurav Agarwal, Mr. Chandan Kumar, Mr. Ashish	9 Sep 2017



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- To develop the leadership capability of the students.

Goal:

To put our knowledge, expertise, and skills for the benefit of the students & build brand of the department.

Following are points of action to achieve the above stated goal:

- 1- Implementation of updated syllabus designed in the BOS meeting held in 2016.
- 2- One research paper from the faculty of the CSE department.
- 3- Enhance the skills and knowledge of students according to Industry’s requirements by adding more industry oriented subjects.
- 4- Conduct different workshops on various topics.
- 5- Motivate students and faculties to attend and organise conferences/workshops/seminars.

Action Plan (2017-18)

S. No	Activity	Date	Status
1	One days Workshop on AWS Cloud & Big data-Hadoop	09 Oct 2017	Successfully Done
2	Two days Workshop on Redhat Linux	13-14 Oct 2017	Successfully done

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3	07 Days Workshop on "Modern Application Development"	22-29 March, 2018	Successfully done
4	Review of Crossover Techniques for Genetic Algorithm in "International journal of trend in research and Development."	July 2017	Successfully done
5	"Vehicular Connectivity Aware Routing Algorithm in International Journal of Innovations & Advancement in Computer Science (IJIACS)	July 2017	Successfully done
6	Connectivity based Handoff Scheme in WiMAX in "International Journal of Engineering Technology Science and Research (IJETSR)"	September 2017	Successfully done
7	Mouse Dynamics: A Review on Pattern Growth Approach for Authentication	July 2017	Successfully done
8	Review of Various Routing Protocols in Mobile Ad-Hoc Networks (MANETs)	September 2017	Successfully done
9	A Novel Approach for Continuous User Authentication using Keystroke Dynamics	September 2017	Successfully done
10	Survey, Applications and Security of Keystroke Dynamics for User Authentication	October 2017	Successfully done
11	Comparative Study of Various Network Simulators	September 2017	Successfully done
12	A Survey of Attribute Based Encryption	November 2017	Successfully done
13	A more secure Position Based Graphical Password Authentication	November 2017	Successfully done
14	An efficient Method of generating Random Numbers from Congruence Equation for Cryptographic Applications	November 2017	Successfully done
15	"High Dimension data Classification using PSO and Bat Algorithm",	December 2017	Successfully done
16	Hypothetical Analysis about computational feasibility of Time Travel	December 2017	Successfully done
17	, Identifying DNA Sequence by using Stream Matching Techniques	December 2017	Successfully done

Line of action for 2017-18

The Department of Computer Science and Engineering has adopted a comprehensive line of action to be implemented effectively in the coming academic year:

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S. No.	Line of Action	Person Responsible	Timeline
1	One days Workshop on AWS Cloud & Big data-Hadoop	Mr. Suhail javed	09 Oct 2017
2	Two days Workshop on Redhat Linux	Mr. Suhail javed	13-14 Oct. 2017
3	07 Days Workshop on "Modern Application Development"	Mr. Anil pandey	22-29 March, 2018
4	Review of Crossover Techniques for Genetic Algorithm in "International journal of trend in research and Development."	Mr. Rahul Rastogi	July 2017
5	Mouse Dynamics: A Review on Pattern Growth Approach for Authentication	Mr. Akash Sanghi	July 2017
6	Review of Various Routing Protocols in Mobile Ad-Hoc Networks (MANETs)	Mr. Akash Sanghi	September 2017
7	A Novel Approach for Continuous User Authentication using Keystroke Dynamics	Mr. Akash Sanghi	July 2017
8	Survey, Applications and Security of Keystroke Dynamics for User Authentication	Mr. Akash Sanghi	September 2017
9	Comparative Study of Various Network Simulators	Mr. Akash Sanghi	September 2017
10	A Survey of Attribute Based Encryption	Dr. Gaurav Agarwal	October 2017
11	A more secure Position Based Graphical Password Authentication	Dr. Gaurav Agarwal	September 2017
12	An efficient Method of generating Random Numbers from Congruence Equation for Cryptographic Applications	Dr. Gaurav Agarwal	November 2017
13	"High Dimension data Classification using PSO and Bat Algorithm",	Mr. Anil Pandey	November 2017
14	Hypothetical Analysis about computational feasibility of Time Travel	Mr. Anil Pandey	November 2017
15	, Identifying DNA Sequence by using Stream Matching Techniques	Mr. Anil Pandey	December 2017
16	Connectivity based Handoff Scheme in WiMAX in "International Journal of Engineering Technology Science and Research (IJETSR)"	Mr. Chandan Kumar and Dr. Gaurav Agarwal	December 2017

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Department of Computer Science and Engineering

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- To develop the leadership capability of the students.

Goal:

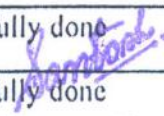
To put our knowledge, expertise, and skills for the benefit of the students & build brand of the department.

Following are points of action to achieve the above stated goal:

- 1- To organize a National/International Conference/Seminar in the department based on advancements in the field of Computer Science.
- 2- One research paper by each of the faculty members of the department per year.
- 3- Efforts to be made for identifying and securing paid internship opportunities for the interested students with the help of CRC.
- 4- Special classes for helping the interested students preparing for NET/SLET, JAM, ZEST etc.
- 5- All the faculty members are PhD or have to register for PhD in this session.

Action Plan (2018-19)

S. No	Activity	Date	Status
1	National Conference on Internet of Things, IOT 2018	28, 29 September 2018	Successfully Done
2	02 Days Workshop on “Android Botix”	25-26 October, 2018	Successfully done
3	03 Days Workshop on “Machine	29-31 October, 2018	Successfully done


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	Learning using Python"Application Development"		
4	FINDING THE BEST KEY FOR PLAYFAIR CIPHER BY USING GENETIC ALGORITHM	May 2018	Successfully done
5	"Handover Schemes in Mobile WiMAX	May 2018	Successfully done
6	Optimized Multi Attribute Algorithm for Heterogeneous Networks	September 2018	Successfully done
7	A Review report on WiMAX vulnerabilities, Security threats and their Solutions	September 2018	Successfully done
8	Enhanced Continuous User Authentication Based on Specific Keystroke Features	September 2018	Successfully done
9	Guest lecture by Mr. Chetan Agarwal, IBM Gurugram	4 may 2019	Successfully done
10	Dr. Chandan Kumar completed Ph.D. in Computer Science and Engineering	3 June 2019	Successfully done
11	Evaluate The Complexity of Software By using Unified Modeling Language	September 2019	Successfully done
12	Review for Different Approaches for identify a Software Component	September 2019	Successfully done
13	Implementation clustering approach for predication of academic performance	November 2019	Successfully done
14	Smart-City based on Internet of Things	November 2019	Successfully done

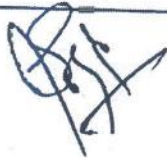
Line of action for 2018-19

The Department of Computer Science and Engineering has adopted a comprehensive line of action to be implemented effectively in the coming academic year:

S. No.	Line of Action	Person Responsible	Timeline
1	National Conference on Internet of Things, IOT 2018	Mr. Anil Pandey, Mr. Rahul Rastogi, Dr. Gaurav Agarwal	28, 29 September 2018
2	02 Days Workshop on "Android Botix"	Mr. Suhail javed	25-26 October, 2018
3	03 Days Workshop on "Machine Learning using Python"Application Development"	Mr. Suhail javed	29-31 October, 2018
4	FINDING THE BEST KEY FOR PLAYFAIR CIPHER BY USING GENETIC ALGORITHM	Research Paper by Mr. Ashish	May 2018
5	"Handover Schemes in Mobile WiMAX	Research Paper by Mr.	

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		Rahul Rastogi	May 2018
6	Optimized Multi Attribute Algorithm for Heterogeneous Networks	Research Paper by Mr. Chandan Kumar and Dr. Gaurav Agarwal	September 2018
7	A Review report on WiMAX vulnerabilities, Security threats and their Solutions	Research Paper by Mr. Chandan Kumar and Dr. Gaurav Agarwal	September 2018
8	Enhanced Continuous User Authentication Based on Specific Keystroke Features	Research paper by Mr. Akash Sanghi	September 2018
9	Guest lecture by Mr. Chetan Agarwal, IBM Gurugram	Dr. Gaurav Agarwal	4 may 2019
10	Dr. Chandan Kumar completed Ph.D. in Computer Science and Engineering	Dr. Chandan Kumar	3 June 2019
11	Evaluate The Complexity of Software By using Unified Modeling Language	Research paper by Mr. Anil Pandey	September 2019
12	Review for Different Approaches for identify a Software Component	Research paper by Mr. Anil Pandey	September 2019
13	Implementation clustering approach for predication of academic performance	Research paper by Mr. Anil Pandey	November 2019
14	Smart-City based on Internet of Things	M.s Sakshi Tripathi	November 2019




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Department of Computer Science and Engineering

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Vision

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Goal:

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Following are points of action to achieve the above stated goal:

Action Plan (2019-20)

S. No	Activity	Date	Status
1	07 Days Workshop on “AWS Cloud Technology”	23-28 Sep, 2019	Successfully Done
2	Guest Lecture by Mr. Anand Kumar (Sr. data analyst, Morling global)	16 April 2020	Successfully done
3	Guest Lecture by Mr. A.K.Pathak (scientist, NIC India)	16-18 April 2020	Successfully done
4	Guest Lecture by Mr. Saurabh Agarwal (Managing Consultant, WIPRO)	22 April 2020	Successfully done
5	Guest Lecture by Mr. Amit kumar Sharma and Mr. Chetan Dheman (Project Associate, Virtual lab IIT Roorkee)	29 April 2020	Successfully done

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6	Guest Lecture by Mr. Gaurav Mishra, Founder, Online academy for personal growth and professional development	03 May 2020	Successfully done
7	Guest Lecture by Mr. Rajnish Kumar, HCL Germany	12 May 2020	Successfully done
8	Guest Lecture by Ms. Sanya-Handa	14 May 2020	Successfully done
9	Guest Lecture by Mr. Samuel david, IBM Bangalore	16 May 2020	Successfully done
10	Guest Lecture by Dr. Krishan Kumar, Gurukul Kangdi Vishvidyalya, Haridwar	21 May 2020	Successfully done
11	Guest Lecture by Mr. Shriom Tiwari, Quallcomm technology, Hyderabad	21 May 2020	Successfully done
12	Guest Lecture by Ms. Shweta Tiwari, Good life Technology, Noida	23 May 2020	Successfully done
13	Guest Lecture by Mr. Piyush Saxena, Exzeo Software, Noida	23 May 2020	Successfully done
14	Guest Lecture by Mr. Ahuj Saxena. Infosys, Chandigarh	23 May 2020	Successfully done
15	Guest Lecture by Mr. Kamil Raza Khan, Arab National Bank, Riyadh, KSA	27 May 2020	Successfully done
16	Dr. Akash Sanghi completed Ph.D. in Computer Science and Engineering	26 August 2019	Successfully done
17	Mr. Rahul Rastogi submitted Ph.D. in Computer Science and Engineering	31 October 2019	Successfully done
18	Mr. Suhail Javed Quraishi submitted Ph.D. in Computer Science	6 February 2020	Successfully done
19	07 days faculty development program on " Intelligent System"	28 June- 4 July 2020	Successfully done
20	Research paper on Various Techniques Used for Emotion Detection from Speech	May 2019	Successfully done
21	Research paper Various Techniques Used in Wireless Sensor Networks for Data Transfer for Data Transfer	Aug 2019	Successfully done
22	Research paper "Modified AODV with Power Efficiency and Priority in WiMAX Network"	Nov-2019	Successfully done
23	Research paper Interactive security of Ransomware with Heuristic Random Bit Generator	September 2019	Successfully done
24	Research paper Real time health monitoring system: A review on disease prediction and providing medical assistance to the patients by the data mining techniques and cloud IoT	September 2020	Successfully done
25	Research paper Interactive Security Of Ransomware With Heuristic Random Bit	October 2019	Successfully done

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	Generator		
26	Research paper Network Architectures, Challenges, Security Attacks, Research Domains and Research Methodologies in VANET: A Survey	June 2019	Successfully done
27	Research paper On keystrokes as continuous user biometric authentication	August 2019	Successfully done
28	Research paper On mouse dynamics as continuous user authentication	October 2019	Successfully done
29	Research paper Phishing website classification using least square twin support vector machine	November 2019	Successfully done
30	Research paper Mouse Dynamics as Continuous User Authentication Tool	November 2019	Successfully done

Line of action for 2019-20

The Department of Computer Science and Engineering has adopted a comprehensive line of action to be implemented effectively in the coming academic year:

S. No.	Line of Action	Person Responsible	Timeline
1	07 Days Workshop on "AWS Cloud Technology"	Mr. Suhail Javed	23-28 Sep, 2019
2	Guest Lecture by Mr. Anand Kumar (Sr. data analyst, Morling global)	Mr. Anil Pandey	16 April 2020
3	Guest Lecture by Mr. A.K.Pathak (scientist, NIC India)	Mr. Suhail Javed	16-18 April 2020
4	Guest Lecture by Mr. Saurabh Agarwal (Managing Consultant, WIPRO)	Dr. Gaurav Agarwal	22 April 2020
5	Guest Lecture by Mr. Amit kumar Sharma and Mr. Chetan Dheman (Project Associate, Virtual lab IIT Roorkee)	CRC Department	29 April 2020
6	Guest Lecture by Mr. Gaurav Mishra, Founder, Online academy for personal growth and professional development	CRC Department	03 May 2020
7	Guest Lecture by Mr. Rajnish Kumar, HCL Germany	Dr. Gaurav Agarwal	12 May 2020
8	Guest Lecture by Ms. Sanya Handa	CRC Department	14 May 2020
9	Guest Lecture by Mr. Samuel david, IBM Bangalore	Dr. Gaurav Agarwal	16 May 2020
10	Guest Lecture by Dr. Krishan Kumar,	Dr. Akash Sanghi	21 May 2020

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	Gurukul Kangdi Vishvidyalya, Haridwar		
11	Guest Lecture by Mr. Shriom Tiwari, Quallcomm technology, Hydrabad	Dr. Gaurav Agarwal	21 May 2020
12	Guest Lecture by Ms. Shweta Tiwari, Good life Technology, Noida	Mr. Rahul Rastogi	23 May 2020
13	Guest Lecture by Mr. Piyush Saxena, Exzeo Software, Noida	Dr. Gaurav Agarwal	23 May 2020
14	Guest Lecture by Mr. Ahuj Saxena, Infosys, Chandigarh	Dr. Gaurav Agarwal	23 May 2020
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16	Dr. Akash Sanghi completed Ph.D. in Computer Science and Engineering	Dr. Akash Sanghi	26 August 2019
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18	Mr. Suhail Javed Quraishi submitted Ph.D. in Computer Science	Mr. Suhail Javed	6 February 2020
19	07 days faculty development program on "Intelligent System"	Dr. Gaurav Agarwal, Mr. Suhail Javed, Mr. Ashish, Ms. Shimona Gupta	28 June- 4 July 2020
20	Research paper on Various Techniques Used for Emotion Detection from Speech	Mr. Ankit Saxena	May 2019
21	Research paper Various Techniques Used in Wireless Sensor Networks for Data Transfer for Data Transfer	Mr. Ankit Saxena	Aug 2019
22	Research paper "Modified AODV with Power Efficiency and Priority in WiMAX Network"	Dr. Rahul Rastogi	Nov-2019
23	Research paper Interactive security of Ransomware with Heuristic Random Bit Generator	Dr. Gaurav Agarwal	September 2019
24	Research paper Real time health monitoring system: A review on disease prediction and providing medical assistance to the patients by the data mining techniques and cloud IoT	Dr. Gaurav Agarwal	September 2020
25	Research paper Interactive Security Of Ransomware With Heuristic Random Bit Generator	Dr. Gaurav Agarwal	October 2019
26	Research paper Network Architectures, Challenges, Security Attacks, Research Domains and Research Methodologies in VANET: A Survey	Dr. Chandan Kumar, Dr. Gaurav Agarwal	June 2019
27	Research paper On keystrokes as	Mr. Suhail Javed	August 2019

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	continuous user biometric authentication		
28	Research paper On mouse dynamics as continuous user authentication	Mr.Suhail Javed	October 2019
29	Research paper Phishing website classification using least square twin support vector machine	Mr.Suhail Javed	November 2019
30	Research paper Mouse Dynamics as Continuous User Authentication Tool	Mr.Suhail Javed	November 2019




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Department of Civil Engineering

Vision

The vision of the Department of Civil Engineering is to impart quality knowledge theoretically and practically to enable the learners of undergraduate course to generate and develop skills to serve nation in the field of civil engineering and enable to be recognized internationally. The learners would be able to develop themselves as researchers and can be an asset for advanced inventions in the respective field through integration of education and leadership.

Mission

The mission of the Department of Civil Engineering is to prepare students for professional practice, graduate study, life-long learning, and societal leadership and to improve the scientific and technological basis for civil and environmental engineering practice. To fulfill this mission, the Department seeks to provide a high quality undergraduate program with instruction in all the fundamental areas of civil engineering, to conduct a distinguished program of research and graduate study in selected areas of civil engineering, and to disseminate advanced technical knowledge to engineers, other professionals, and the public. This is accomplished as per following-

- One of the methods used to determine strategic goals for the department is a Strengths, Weaknesses, Opportunities, and Threats (SWOT) analysis.
- To provide the facilities and environment conducive to high quality education to get diverse career as well as research in the field of Civil Engineering.
- To engage the students in academic as well as scholarly activities, that strengthens the department reputation in the global market.

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- To ensure faculty and student's participation in design projects, research, or other similar activities, essential to their professional development and societal development.

Goal:

Based on the results of the SWOT analyses, as well as discussions that followed, the following strategic goals were developed to address critical areas identified through this process:

To achieve the above-stated goal following actions will be taken by the department:

- Improve laboratory and practical work related to subjects.
- Improve faculty retention efforts and inputs.
- Expand alumni and corporate relationships to increase support of civil engineering.

Action Plan (2015-16)

S. No.	Activity	Date	Status
1	Industrial visit to Mini Ratna Category 1 PSU NHPC Banbassa (Uttarakhand).	26 Aug, 2015	Cancelled
2	Guest Lecture on "Cement Manufacturing" by ACC Cement Ltd.	11 Jan, 2016	Cancelled

Line of action for 2015-16

The Department of Civil Engineering has adopted a comprehensive line of action to be implemented effectively in the coming academic year:

S. No.	Line of Action	Persons Responsible	Timeline
1	Industrial visit to Mini Ratna Category 1 PSU NHPC Banbassa (Uttarakhand).	Mr. Ankit Kumar Sharma	Aug 2015
2	Guest Lecture on "Cement Manufacturing" by ACC Cement Ltd.	Mr. Ankit Kumar Sharma	Dec 2015- Jan 2016

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- To ensure faculty and student's participation in design projects, research, or other similar activities, essential to their professional development and societal development.

Goal:

Based on the results of the SWOT analyses, as well as discussions that followed, the following strategic goals were developed to address critical areas identified through this process:

To achieve the above-stated goal following actions will be taken by the department:

- Prepare students for nationally recognized leaders in civil engineering field.
- Provide national and international level of research work for students.
- Promote continuous development in quality of students.

Action Plan (2016-17)

S. No.	Activity	Date	Status
1	Workshop on "Challenges of Construction" by ACC Cement Ltd.	07 Sept, 2016	Completed
2	Guest Lecture on "Role of White Cement" by JK Cement Ltd.	17 Jan, 2017	Completed

Line of action for 2016-17

The Department of Civil Engineering has adopted a comprehensive line of action to be implemented effectively in the coming academic year:

S. No.	Line of Action	Persons Responsible	Timeline
1	Workshop on "Challenges of Construction" by ACC Cement Ltd.	Mr. Arvind Kumar and Mr. Shrvan Kishore Gupta	Aug 2016- Sep 2016
2	Guest Lecture on "Role of White Cement" by JK Cement Ltd.	Mr. Arvind Kumar and Mr. Shrvan Kishore Gupta	Jan 2017- Dec 2017

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Department of Civil Engineering

Vision

The vision of the Department of Civil Engineering is to impart quality knowledge theoretically and practically to enable the learners of undergraduate course to generate and develop skills to serve nation in the field of civil engineering and enable to be recognized internationally. The learners would be able to develop themselves as researchers and can be an asset for advanced inventions in the respective field through integration of education and leadership.

Mission

The mission of the Department of Civil Engineering is to prepare students for professional practice, graduate study, life-long learning, and societal leadership and to improve the scientific and technological basis for civil and environmental engineering practice. To fulfill this mission, the Department seeks to provide a high quality undergraduate program with instruction in all the fundamental areas of civil engineering, to conduct a distinguished program of research and graduate study in selected areas of civil engineering, and to disseminate advanced technical knowledge to engineers, other professionals, and the public. This is accomplished as per following-

- One of the methods used to determine strategic goals for the department is a Strengths, Weaknesses, Opportunities, and Threats (SWOT) analysis.
- To provide the facilities and environment conducive to high quality education to get diverse career as well as research in the field of Civil Engineering.
- To engage the students in academic as well as scholarly activities, that strengthens the department reputation in the global market.


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- To ensure faculty and student's participation in design projects, research, or other similar activities, essential to their professional development and societal development.

Goals:

Based on the results of the SWOT analyses, as well as discussions that followed, the following strategic goals were developed to address critical areas identified through this process:

To achieve the above-stated goal following actions will be taken by the department:

- Introduce students with latest software in civil engineering field.
- Site and industrial visits for practical knowledge in various subjects.
- Expand alumni and corporate relationships to increase support of civil engineering.

Action Plan (2017-18)

S. No.	Activity	Date	Status
1	Site visit to C.B. Ganj Railway Track Point Functioning, Bareilly	13 April, 2018	Completed
2	Site Visit to Ram Ganga Barrage Visit, Bareilly	28 April, 2018	Completed

Line of action for 2017-18

The Department of Civil Engineering has adopted a comprehensive line of action to be implemented effectively in the coming academic year:

S. No.	Line of Action	Persons Responsible	Timeline
1	Site visit to C.B. Ganj railway track point functioning, bareilly	Mr. Shravan Kishore Gupta	March 2018- April 2018
2	Site Visit to Ram Ganga Barrage Visit, Bareilly	Mr. Shravan Kishore Gupta	April 2018- May 2018

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