Shivalik College of Engineering [ARI-C-21299][C-21299]

nirf-Innovation
National Institutional Ranking Framework for Innovation
Ministry of Education, Government of India

Section 1: Policy And Institutionalization Of I&E Activities In HEIs (Academic Calendar Year 2020-21 & 2021-22)

1.1) Adoption Level of Innovation and Entrepreneurship (I&E) Policy in HEIs: Registration; Policy Formulation; Policy Implementation

Completion of Action Items (status as on 7th November 2022)	Status
Registered in the NISP portal for I&E Policy Adoption	Yes
Institute has Formulated an Innovation and Entrepreneurship (I&E) Policy	Yes
Institute has Action Plans for Implementation of the I&E Policy	No

Contact:

Faculty Name:	Sunil Sharma
Designation:	Assistant Professor

1.2) Performance Level of Institution's Innovation Councils (IICs) Established in HEIs: Scores and Stars Obtained

Annual Performances of IIC Institute	Stars Secured
IIC 1.0 (2018-19)	1
IIC 2.0 (2019-20)	0
IIC 3.0 (2020-21)	0
IIC 4.0 (2021-22)	3.5

Contact:

IIC President of the Institute:	AJAY VERMA
Designation:	Assistant Professor

1.3) Activeness of Trained Innovation Ambassadors in Driving Campus I&E Ecosystems in HEIs: Trained IA/HEI and Nos of Prescribed Activities undertaken by IA

Sr. No.	Name of the Faculty IA	Level of Training	No of I&E Expert Talks/Sessions Conducted
No Data Found			

1.4) Participation in KAPILA/SIH Program

HEI Registered in the KAPILA Portal		C-21299	Yes

HEI Participated in the Smart India Hackathon (2022)	C-21299	Yes

Section 2: Teaching and Learning: Academic Programs related to Innovation and Entrepreneurship (I&E) Offered by the HEI

2.1) Academic Courses in Innovation, Entrepreneurship and IPR

Srno	Title of Course	Course Code	Academic Year	Type of Course	Level of Course	Course Offering Department/ Centre/ Unit Name	Total Credit Score	Course Start Date	Course End Date	Total Duration of the Course (in Days)	Total Numbers of Contact Hours of the Course	Mode of Delivery	Total Ben Und
1	Innovation and Entrepreneurship	BOET 504(D)	2021-22	Elective Course	Bachelor	Mechanical Engineering	3	04-10-2021 00:00:00	20-01-2022 00:00:00	109	42	Offline	17
2	Innovation and Entrepreneurship	BOET 504(D)	2021-22	Elective Course	Bachelor	Electrical and Electronics Engineering	3	04-10-2021 00:00:00	20-01-2022 00:00:00	109	42	Offline	31
3	Advances in Entrepreneurship Development	BOCT-704(B)	2021-22	Elective Course	Bachelor	Electrical and Electronics Engineering	3	04-10-2021 00:00:00	20-01-2022 00:00:00	109	44	Offline	25
4	Innovation and Entrepreneurship	BOET 504(D)	2021-22	Elective Course	Bachelor	Electronics and Communication Engineering	3	04-10-2021 00:00:00	20-01-2022 00:00:00	109	42	Offline	9

Srno	Title of Course	Course Code	Academic Year	Type of Course	Level of Course	Course Offering Department/ Centre/ Unit Name	Total Credit Score	Course Start Date	Course End Date	Total Duration of the Course (in Days)	Total Numbers of Contact Hours of the Course	Mode of Delivery	Tota Ben Und
5	Innovation and Entrepreneurship	BOET 504(D)	2021-22	Elective Course	Bachelor	Computer Science Engineering	3	04-10-2021 00:00:00	20-01-2022 00:00:00	109	42	Offline	63
6	Innovation and Entrepreneurship	BOET 504(D)	2021-22	Elective Course	Bachelor	Civil Engineering	3	04-10-2021 00:00:00	20-01-2022 00:00:00	109	42	Offline	43
7	Innovation and Entrepreneurship	BOET 504(D)	2020-21	Elective Course	Bachelor	Mechanical Engineering	3	15-07-2020 00:00:00	30-11-2020 00:00:00	139	42	Blended Mo	17
8	Innovation and Entrepreneurship	BOET 504(D)	2020-21	Elective Course	Bachelor	Electrical and Electronics Engineering	3	15-07-2020 00:00:00	30-12-2020 00:00:00	169	42	Blended Mo	25
9	Advances in Entrepreneurship Development	BOCT-704(B)	2020-21	Elective Course	Bachelor	Electrical and Electronics Engineering	3	15-07-2020 00:00:00	30-12-2020 00:00:00	169	44	Blended Mo	25
10	Innovation and Entrepreneurship	BOET 504(D)	2020-21	Elective Course	Bachelor	Electronics and Communication Engineering	3	15-07-2020 00:00:00	30-12-2020 00:00:00	169	44	Blended Mo	9
11	Innovation and Entrepreneurship	BOET 504(D)	2020-21	Elective Course	Bachelor	Computer Science and Engineering	3	15-07-2020 00:00:00	30-12-2020 00:00:00	169	44	Blended Mo	51

Srno	Title of Course	Course Code	Academic Year	Type of Course	Level of Course	Course Offering Department/ Centre/ Unit Name	Total Credit Score	Course Start Date	Course End Date	Total Duration of the Course (in Days)	Total Numbers of Contact Hours of the Course	Mode of Delivery	Tota Ben Und
12	Innovation and Entrepreneurship	BOET 504(D)	2020-21	Elective Course	Bachelor	Civil Engineering	3	15-07-2020 00:00:00	30-12-2020 00:00:00	169	44	Blended Mo	51

2.2) Non-Academic Courses in Innovation, Entrepreneurship and IPR

Srno	Title of Course	Academic Year	Type of Certificate Program	Certificate Program/MDP/FDP/EDP Sponsored/Supported by	Certificate Program Offering Department/ Centre/ Unit Name	Program Start Date	Program End Date	Total Duration of the Course (in Days)	Total Numbers of Contact Hours of the Course	Mode o Deliver
1	Workshop on Entrepreneurship Development	2021-22	Entrepreneurship Development Program (EDP)	Self Sponsored/Supported	Civil Engineering	18-10-2021 00:00:00	22-10-2021 00:00:00	5	35	Online
2	Awareness on Intellectual Property Rights (IPRs) and IP management for startup	2021-22	Short-term Certificate Program	State Govt. Agency	Mechanical Engineering	07-03-2022 00:00:00	11-03-2022 00:00:00	5	30	Offline

Srno	Title of Course	Academic Year	Type of Certificate Program	Certificate Program/MDP/FDP/EDP Sponsored/Supported by	Certificate Program Offering Department/ Centre/ Unit Name	Program Start Date	Program End Date	Total Duration of the Course (in Days)	Total Numbers of Contact Hours of the Course	Mode o Deliver
3	Introduction to IPR and Legal Patent filing procedure in India	2021-22	Faculty Development Program (FDP)	Self Sponsored/Supported	Computer Science Engineering Department	10-01-2022 00:00:00	13-01-2022 00:00:00	4	32	Online
4	Short Term Training on Intellectual Property Rights	2020-21	Short-term Certificate Program	Industry/Non-Govt.	Electronics and Communication Engineering Department	14-09-2020 00:00:00	18-09-2020 00:00:00	5	34	Offline
5	Entrepreneurship Development Program	2020-21	Entrepreneurship Development Program (EDP)	Self Sponsored/Supported	Training and Placement Department	07-09-2020 00:00:00	10-09-2020 00:00:00	4	34	Online

Section 3: Pre-Incubation and Incubation Infrastructure & Facilities are Currently in Operation to Promote I&E Agenda (AY 2020-21 & 2021-22)

3.1) Existence of Pre-Incubation Facility (Tinkering Lab/Makers' Space/Design Centre/New Gen IEDC/IEDC/EDC/Innovation Cell/Startup Cell) (>= 600 Sq. Ft. Floor Area)

Sr. No.	Type of the Unit	Name of Unit	In-charge Name	Govt. Schemes
No Data Found				

3.2) Existence of Incubation Facility (>= 1500 Sq. Ft. Floor Area)

Sr. No.	Name of Unit	In-charge Name	Govt. Schemes
1	Shivalik College of Engineering	Ajay Kumar Verma	MSME

3.3) Existence of IPR Cell / Patent Facilitation Unit / Technology Transfer Centre at the institute

Sr. No.	Type of the Unit	Name of Unit	In-charge Name	Govt. Schemes
No Data Found				

Section 4: Generation and Support of Prototypes / Innovations at HEI and Recognition received (AY 2020-21 & 2021-22)

4) Total no. of Innovations (Verified and Recommended) in Different TRLs (4-9) are Recorded in the YUKTI National Innovation Repository of the IIC Institute (Status as on 7th November 2022)

Sr. No.	Innovation Name	Developed as part of	FY of Development (FY. 2020-21,2021-22)	TRL Stage	Team Lead/Innovator Name	Current Engagement of Team Lead in Institute	Total Grants Received (from all sources)	Grant Support Received from Institution/Incubation	Awards/Recognition (National/International level) Received
No Data Found									

Section 5: Start-ups/Ventures Established and Supported at HEI and & Recognitions Received (AY 2020-21 & 2021-22)

5) Total no of Ventures/Startups (Verified and Recommended) are Recorded in the YUKTI National Innovation Repository of the IIC Institute (Status as on 7th November 2022)

Sr. No.	Startup/Venture Name	Startup/Venture Registered as	CIN No/LLP/OPC/RC No	GST No	FY of Establishment	Startup/Venture Recognized by DPIIT/Startup India	FY of Started Receiving Support from the Incubation unit at the Institute	Team Lead/Founder Name	Current Engagement of Team lead/Founder in Institute	DIN of Fou Lea
1							0			

Section 6: Collaboration with Other Incubation Units, HEIs and Industry Associations to Strengthen Better Services and Support to Innovation & Startups at HEI (AY 2020-21 & 2021-22)

6) Collaboration with Other Incubation Units, HEIs and Industry Associations to Strengthen Better Services and Support to Innovation & Startups at HEI (AY 2020-21 & 2021-22)

Sr. No.	Collaborated Agency Name	Collaborated Agency Type	Period of Collaboration (No. of Years)	Current Status of Collaboration	Date of MOU / Agreement Signed on
1	Innove Intellects LLP	IPR Law Firms/Startup	5	Active	22-02-2022
2	ICAR - Indian Institute of Soil and Water Conservation	Govt. Agency (State)	5	Active	28-02-2022
3	Asia Entrepreneurship Skills Limited	Corporate/Industry Association	5	Active	09-01-2020

Section 7: Intellectually Property (IP) Generated and Commercialization

7.1) IPR Filed and Published (Copyrights & Design only)

Sr. No.	Title/Name of IP (Copyright/Design Only)	Type of IP	IP Registration Number of Copyright/Design	Date of Filed/Published	Has this IP(Copyright & Designs Only) been Commercialized/Transferred to Industry/Startup/Society?
No Data Found					

7.2) Patents Filed by HEI

Sr. No.	Title/Name of Patent	IP Registration Number	Date of Filed/Published
No Data Found			

7.3 & 7.4) Patent Published / Granted Data

Sr. No.	Patent Registration Application No	Patent Title	Patent Application Date	Status of Patent Applications	Patent Published / Granted Calendar Year	Institute applied the Patent as
1	202111051874 A	AN ARTIFICIAL INTELLIGENCE BASED SMART HAND SANITIZATION SYSTEM FOR ELDERLY	12-11-2021	Published	2021	Applicant
2	202111048743 A	A SYSTEM FOR CUSTOMIZED VIDEO PRODUCING SERVICE USING CLOUD-BASED VOICE COMMAND AND METHOD THEREOF	05-11-2021	Published	2021	Applicant

7.5) IP Commercialized and Transferred to Industry/Startup

Sr. No.	Name of Technology Licenced/Transferred/Commercialized	Technology Type	Patent/Licence Holder name (Institute Co-ownership is Must)	Technology Transferred to	Name of Licensee	Date of Transferred Technology
No Data Found						