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 31st October 2022)	Status
Registered in the NISP portal for I&E Policy Adoption	Yes
Institute has Formulated an Innovation and Entrepreneurship (I&E) Policy	No
Institute has Action Plans for Implementation of the I&E Policy	Yes

Contact:

Faculty Name:	Dr. Prabha R
Designation:	Professor
Email ID:	prabha.cs@drait.edu.in
Mobile No.	6362019924

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)	1,2
IIC 2.0 (2019-20)	1
IIC 3.0 (2020-21)	0
IIC 4.0 (2021-22)	0 (On Progress)

Contact:

IIC President of the Institute:	Dr.D.K.Ravish
Designation:	Associate Professor
Email ID:	ravish.ml@drait.edu.in
Mobile No.	8762563197

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
1	Mr. Srinivasa A. H.	Basic	0
2	Dr.Aravinda H. L.	Basic	0
3	Dr.Tanuja P. Patgar	Advance	0

Sr. No.	Name of the Faculty IA	Level of Training	No of I&E Expert Talks/Sessions Conducted
4	Dr. D. K. Ravish	Advance	0
5	Ms.Asha Rani K. P.	Advance	0

1.4) Participation in KAPILA/SIH Program

HEI Registered in the KAPILA Portal	C-1291	Yes
HEI Participated in the Smart India Hackathon (2022)	C-1291	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	
1	Management and Entrepreneurship	HS03	2020-21	Core Course	Bachelor	ISE	3	01-04-2021 00:00:00	30-06-2021 00:00:00	91	39	Offline	

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	
2	Intellectual Property Rights	HS04	2020-21	Core Course	,Bachelor	ISE	2	01-04-2021 00:00:00	30-06-2021 00:00:00	91	30	Offline	
3	management and entrepreneurship	18HS51	2020-21	Core Course	Bachelor	Humanities and Social Science	3	01-09-2020 00:00:00	23-01-2021 00:00:00	145	39	Offline	
4	Intellectual and Property Rights	18HS61/62	2020-21	Core Course	,Bachelor	Humanities and Social Science	3	01-04-2021 00:00:00	03-07-2021 00:00:00	94	39	Offline	
5	Cost Management of Engineering Projects	18HS71	2021-22	Core Course	,Bachelor	Humanities and Social Science	3	01-10-2021 00:00:00	31-01-2022 00:00:00	123	39	Offline	
6	Occupational Safety and Health Administration	18HS72	2021-22	Core Course	,Bachelor	Humanities and Social Science	3	01-10-2021 00:00:00	31-01-2022 00:00:00	123	39	Offline	
7	Management and Entrepreneurship	18HS51	2021-22	Core Course	,Bachelor	Humanities and Social Science	3	01-10-2021 00:00:00	31-01-2022 00:00:00	123	39	Offline	

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	
8	Intellectual Property Rights	18HS61/62	2021-22	Core Course	,Bachelor	Humanities and Social Science	3	01-03-2022 00:00:00	01-05-2022 00:00:00	62	39	Offline	
9	Intellectual property rights	HS04	2021-22	Core Course	Bachelor	ISE	2	21-03-2022 00:00:00	09-07-2022 00:00:00	111	26	Offline	
10	Management and Entrepreneurship	HS03	2021-22	Core Course	,Bachelor	ISE	3	21-03-2022 00:00:00	01-05-2022 00:00:00	42	39	Offline	
11	Civil Engineering Material Testing Lab	18CVL36	2020-21	Core Course	Bachelor	Civil Engineering	1	01-09-2020 00:00:00	16-03-2021 00:00:00	197	13	Offline	
12	Surveying Practice	18CVL37	2020-21	Core Course	,Bachelor	Civil	1	01-09-2020 00:00:00	16-03-2021 00:00:00	197	13	Offline	
13	Computer Aided Building Planning and Drawing	18CVL46	2020-21	Core Course	,Bachelor	Civil	1	09-04-2021 00:00:00	09-07-2021 00:00:00	92	13	Offline	
14	Concrete and Highway Material Lab	18CVL47	2020-21	Core Course	,Bachelor	Civil	1	09-04-2021 00:00:00	09-07-2021 00:00:00	92	13	Offline	

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	
15	Hydraulics and Hydraulic Machinery Lab	18CVL57	2020-21	Core Course	,Bachelor	Civil	1	01-09-2020 00:00:00	16-03-2021 00:00:00	197	13	Offline	
16	Computer Aided Design Lab	18CVL58	2020-21	Core Course	,Bachelor	Civil	1	01-09-2020 00:00:00	16-03-2021 00:00:00	197	13	Offline	
17	Computer Aided Drawing of RC and Steel Structures	18CVL66	2020-21	Core Course	,Bachelor	Civil	1	01-04-2021 00:00:00	30-06-2021 00:00:00	91	13	Offline	
18	Geotechnical Engineering Lab	18CVL67	2020-21	Core Course	,Bachelor	Civil	1	01-04-2021 00:00:00	30-06-2021 00:00:00	91	13	Offline	
19	Mini-Project	18CVM68	2020-21	Core Course	,Bachelor	Civil	2	01-04-2021 00:00:00	30-06-2021 00:00:00	91	26	Offline	
20	Extensive Survey Project	18CVL69	2020-21	Core Course	,Bachelor	Civil	1	01-04-2021 00:00:00	30-06-2021 00:00:00	91	80	Offline	
21	Environmental Engineering Lab	18CVL76	2020-21	Core Course	,Bachelor	Civil	1	01-09-2020 00:00:00	16-03-2021 00:00:00	197	13	Offline	

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	
22	Advance Civil Engineering Lab	18CVL77	2020-21	Core Course	,Bachelor	Civil	1	01-09-2020 00:00:00	16-03-2021 00:00:00	197	13	Offline	
23	Project Phase - II	18CVP81	2020-21	Core Course	,Bachelor	Civil	1	01-04-2021 00:00:00	30-06-2021 00:00:00	91	13	Offline	
24	Seminar	18CVS85	2020-21	Core Course	,Bachelor	Civil	1	01-04-2021 00:00:00	30-06-2021 00:00:00	91	13	Offline	
25	Internship	18CVI83	2020-21	Core Course	,Bachelor	Civil	2	01-04-2021 00:00:00	30-06-2021 00:00:00	91	26	Offline	
26	Rural Development Engineering	20CVT209	2020-21	Core Course	,Bachelor	Civil	1	06-06-2021 00:00:00	24-09-2021 00:00:00	111	13	Offline	
27	Structural Engineering Laboratory	20CSEL17	2020-21	Core Course	,Master	Civil	2	18-01-2021 00:00:00	17-04-2021 00:00:00	90	26	Offline	
28	Technical Seminar	20CSES18	2020-21	Core Course	,Master	Civil	2	18-01-2021 00:00:00	17-04-2021 00:00:00	90	26	Offline	

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	
29	Minor project and Industry visit and Field work	20CSEM19	2020-21	Core Course	,Master	Civil	2	18-01-2021 00:00:00	17-04-2021 00:00:00	90	26	Offline	
30	Computational Structural Engineering Laboratory	20CSEL28	2020-21	Core Course	,Master	Civil	2	08-03-2021 00:00:00	12-06-2021 00:00:00	97	26	Offline	
31	Project Work Phase I Presentation of Synopsis	20CSEP29	2020-21	Core Course	,Master	Civil	2	08-03-2021 00:00:00	12-06-2021 00:00:00	97	26	Offline	
32	Technical Seminar	20CSES33	2020-21	Core Course	,Master	Civil	2	18-01-2021 00:00:00	17-04-2021 00:00:00	90	26	Offline	
33	Project Phase II Midterm Internal Evaluation	20CSEP41	2020-21	Core Course	,Master	Civil	2	08-03-2021 00:00:00	12-06-2021 00:00:00	97	26	Offline	
34	Structural Engineering Laboratory	20CSEL17	2021-22	Core Course	,Master	Civil	2	07-02-2022 00:00:00	01-05-2022 00:00:00	84	26	Offline	

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
35	Technical Seminar	20CSES18	2021-22	Core Course	,Master	Civil	2	07-02-2022 00:00:00	01-05-2022 00:00:00	84	26	Offline
36	Minor project Industry visit Field work	20CSEM19	2021-22	Core Course	,Master	Civil	2	07-02-2022 00:00:00	01-05-2022 00:00:00	84	26	Offline
37	Computational Structural Engineering Laboratory	20CSEL28	2021-22	Core Course	,Master	Civil	2	01-04-2022 00:00:00	01-05-2022 00:00:00	31	26	Offline
38	Project Work Phase I Presentation of Synopsis	20CSEP29	2021-22	Core Course	,Master	Civil	2	01-04-2022 00:00:00	01-05-2022 00:00:00	31	26	Offline
39	Technical Seminar	20CSES33	2021-22	Core Course	,Master	Civil	2	07-02-2022 00:00:00	01-05-2022 00:00:00	84	26	Offline
40	Project Phase II Midterm Internal Evaluation	20CSEP41	2021-22	Core Course	,Master	Civil	2	18-10-2021 00:00:00	19-02-2022 00:00:00	125	26	Offline

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	
41	Entrepreneurship Development	20MBA31	2021-22	Core Course	Master	MBA	3	18-10-2021 00:00:00	19-02-2022 00:00:00	125	45	Blended Mo	
42	Transportation Engineering	18CV551	2020-21	Elective Course	Bachelor	CIVIL	3	01-09-2020 00:00:00	16-03-2021 00:00:00	197	39	Offline	
43	Air Pollution and Control methods	18CVE01	2020-21	Elective Course	,Bachelor	CIVIL	3	01-09-2020 00:00:00	16-03-2021 00:00:00	197	39	Offline	
44	Solid Waste Management	18CVE02	2020-21	Elective Course	,Bachelor	CIVIL	3	01-09-2020 00:00:00	16-03-2021 00:00:00	197	39	Offline	
45	Pre-Stressed Concrete	18CV641	2020-21	Elective Course	,Bachelor	CIVIL	3	01-04-2021 00:00:00	30-06-2021 00:00:00	91	39	Offline	
46	Integrated Solid Waste Management	18CVE03	2020-21	Elective Course	,Bachelor	CIVIL	3	01-04-2021 00:00:00	30-06-2021 00:00:00	91	39	Offline	
47	Photogrammetry and Remote Sensing	18CVE04	2020-21	Elective Course	,Bachelor	CIVIL	3	01-04-2021 00:00:00	30-06-2021 00:00:00	91	39	Offline	

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	
48	Emerging Exponential Technologies	20MBA33	2021-22	Core Course	Master	MBA	3	18-10-2021 00:00:00	19-02-2022 00:00:00	125	45	Blended Mo	5
49	Rural water supply and Sanitation engineering	CV747	2020-21	Elective Course	,Bachelor	CIVIL	3	01-09-2020 00:00:00	16-03-2021 00:00:00	197	39	Offline	
50	Air Pollution and Control	CV751	2020-21	Elective Course	,Bachelor	CIVIL	3	01-09-2020 00:00:00	16-03-2021 00:00:00	197	39	Offline	
51	Integrated Solid Waste Management	CVE01	2020-21	Elective Course	,Bachelor	CIVIL	3	01-09-2020 00:00:00	16-03-2021 00:00:00	197	39	Offline	
52	Air Pollution and Control	CVE02	2020-21	Elective Course	,Bachelor	CIVIL	3	01-09-2020 00:00:00	16-03-2021 00:00:00	197	39	Offline	
53	Industrial waste water	CV825	2020-21	Core Course	,Bachelor	CIVIL	3	01-04-2021 00:00:00	30-06-2021 00:00:00	91	39	Offline	
54	Environmental Impact Assessment	CV836	2020-21	Elective Course	,Bachelor	CIVIL	3	01-04-2021 00:00:00	30-06-2021 00:00:00	91	39	Offline	

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	
55	Ecology and Environmental Impact Assessment	CVE03	2020-21	Elective Course	,Bachelor	CIVIL	3	01-04-2021 00:00:00	30-06-2021 00:00:00	91	39	Offline	
56	Remote Sensing and GIS	CVE04	2020-21	Elective Course	,Bachelor	CIVIL	3	01-04-2021 00:00:00	30-06-2021 00:00:00	91	39	Offline	
57	Special Concrete	20CSE152	2020-21	Elective Course	,Master	STRUCTURAL ENGG	3	18-01-2021 00:00:00	17-04-2021 00:00:00	90	39	Offline	
58	Earth and Earth Retaining Structures	20CSE164	2020-21	Elective Course	,Master	STRUCTURAL ENGG	3	18-01-2021 00:00:00	17-04-2021 00:00:00	90	39	Offline	
59	Design of Tall Structures	20CSE251	2020-21	Elective Course	,Master	STRUCTURAL ENGG	4	08-03-2021 00:00:00	12-06-2021 00:00:00	97	39	Offline	
60	Masonry structures	20CSE263	2020-21	Elective Course	,Master	STRUCTURAL ENGG	3	09-03-2021 00:00:00	12-06-2021 00:00:00	96	39	Offline	
61	Masonry structures	18CSE323	2020-21	Elective Course	,Master	STRUCTURAL ENGG	3	18-01-2021 00:00:00	17-04-2021 00:00:00	90	39	Offline	

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	
62	Earth and Earth Retaining Structures	18CSE334	2020-21	Elective Course	,Master	STRUCTURAL ENGG	3	18-01-2021 00:00:00	17-04-2021 00:00:00	90	39	Offline	
63	Special Concrete	20CSE152	2021-22	Elective Course	Master	STRUCTURAL ENGG	3	07-02-2022 00:00:00	31-05-2022 00:00:00	114	39	Offline	
64	Earth and Earth Retaining Structures	20CSE164	2021-22	Elective Course	,Master	STRUCTURAL ENGG	3	01-01-2022 00:00:00	01-05-2022 00:00:00	121	39	Offline	
65	Repair and Rehabilitation of Structures	20CSE252	2021-22	Elective Course	,Master	STRUCTURAL ENGG	3	01-04-2022 00:00:00	01-05-2022 00:00:00	31	39	Offline	
66	Masonry structures	20CSE263	2021-22	Elective Course	,Master	STRUCTURAL ENGG	3	01-04-2022 00:00:00	01-05-2022 00:00:00	31	39	Offline	
67	Transportation Engineering	18CV551	2021-22	Elective Course	,Bachelor	CIVIL ENGG	3	01-10-2021 00:00:00	12-02-2022 00:00:00	135	39	Offline	
68	Air Pollution and Control	18CV561	2021-22	Elective Course	,Bachelor	CIVIL ENGG	3	01-10-2021 00:00:00	12-02-2022 00:00:00	135	39	Offline	

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	
69	Solid Waste Management	18CV562	2021-22	Elective Course	,Bachelor	CIVIL ENGG	3	01-10-2021 00:00:00	12-02-2022 00:00:00	135	39	Offline	
70	Pre-Stressed Concrete	18CV641	2021-22	Elective Course	,Bachelor	CIVL ENGG	3	01-04-2021 00:00:00	30-06-2021 00:00:00	91	39	Offline	
71	Integrated Solid Waste Management	18CV651	2021-22	Elective Course	Bachelor	CIVIL ENGG	3	01-04-2021 00:00:00	30-06-2021 00:00:00	91	39	Offline	
72	Photogrammetry and Remote Sensing	18CV652	2021-22	Elective Course	,Bachelor	CIVIL ENGG	3	01-04-2021 00:00:00	30-06-2021 00:00:00	91	39	Offline	
73	Photogrammetry and Remote Sensing	18CV732	2021-22	Elective Course	,Bachelor	CIVIL ENGG	3	12-02-2022 00:00:00	01-05-2022 00:00:00	79	39	Offline	
74	Solid Waste Management	18CV745	2021-22	Elective Course	,Bachelor	CIVIL ENGG	3	12-02-2022 00:00:00	01-05-2022 00:00:00	79	39	Offline	
75	Ecology and Environmental Impact Assessment	18CV751	2021-22	Elective Course	,Bachelor	CIVIL ENGG	3	12-02-2022 00:00:00	01-05-2022 00:00:00	79	39	Offline	

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	
76	Photo Geology and Remote Sensing	18CV753	2021-22	Elective Course	,Bachelor	CIVIL ENGG	3	12-02-2022 00:00:00	01-05-2022 00:00:00	79	39	Offline	
77	Industrial waste water	CV825	2021-22	Elective Course	Bachelor	CIVIL ENGG	3	01-04-2021 00:00:00	30-06-2021 00:00:00	91	39	Offline	
78	Environmental Impact Assessment	CV836	2021-22	Elective Course	,Bachelor	CIVIL ENGG	3	01-04-2021 00:00:00	30-07-2021 00:00:00	121	39	Offline	

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 of Delivery

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 of Delivery
1	Artificial Intelligence	2020-21	Faculty Development Program (FDP)	Central Govt. Agency	Electronics and Telecommunication Enggineering	04-01-2021 00:00:00	08-01-2021 00:00:00	5	42	Online
2	FDP- Cyber Security	2020-21	Faculty Development Program (FDP)	Central Govt. Agency	Computer Science	19-06-2020 00:00:00	25-06-2020 00:00:00	7	48	Online
3	Six Sigma	2020-21	Faculty Development Program (FDP)	State Govt. Agency	Electronic and Instrumentation	06-07-2020 00:00:00	10-07-2020 00:00:00	5	40	Online
4	Sensors and their Applications	2020-21	Faculty Development Program (FDP)	Central Govt. Agency	Telecommunication Engineering	21-09-2020 00:00:00	25-09-2020 00:00:00	5	40	Online
5	Sensors and their applications	2020-21	Faculty Development Program (FDP)	Central Govt. Agency	Telecommunication	13-07-2020 00:00:00	17-07-2020 00:00:00	5	40	Online

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 of Delivery
6	Biosensors Fundamentals to advances scope and applications	2020-21	Short-term Certificate Program	Central Govt. Agency	Electronics and Telecommunication	03-08-2020 00:00:00	08-08-2020 00:00:00	6	48	Online
7	Emerging trends and Applications of Artificial Intelligence	2020-21	Short-term Certificate Program	Central Govt. Agency	Computer science	10-08-2020 00:00:00	14-08-2020 00:00:00	5	40	Online
8	Data Analytic Techniques for Research and Innovation and their Advancements	2020-21	Faculty Development Program (FDP)	Central Govt. Agency	Telecommunication	29-08-2020 00:00:00	02-09-2020 00:00:00	5	40	Online
9	Photonics	2020-21	Faculty Development Program (FDP)	Central Govt. Agency	Telecommunication	21-09-2020 00:00:00	25-09-2020 00:00:00	5	40	Online
10	Global Navigation Satellite System	2020-21	Faculty Development Program (FDP)	Central Govt. Agency	Telecommunication	14-09-2020 00:00:00	25-09-2020 00:00:00	12	60	Online

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 of Delive
11	Data Science and IOT	2020-21	Short-term Certificate Program	Central Govt. Agency	Telecommunication	09-06-2020 00:00:00	13-06-2020 00:00:00	5	40	Online
12	New Teaching Statregies and techniques	2020-21	Short-term Certificate Program	State Govt. Agency	Computer science	29-06-2020 00:00:00	03-07-2020 00:00:00	5	40	Online
13	Mathematical Perspectives on Computational science and engineering	2020-21	Short-term Certificate Program	State Govt. Agency	Computer science	06-07-2020 00:00:00	10-07-2020 00:00:00	5	40	Online
14	Effective Usages of Educational Technology in Teachimg - Learning Process as a part of NBA Accreditation	2020-21	Short-term Certificate Program	Industry/Non-Govt.	Telecommunication	22-06-2020 00:00:00	26-06-2020 00:00:00	5	40	Online
15	Internet of Things	2020-21	Faculty Development Program (FDP)	Central Govt. Agency	computer Science	05-10-2020 00:00:00	10-10-2020 00:00:00	6	48	Online

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 of Delivery
16	Embedded System Design	2021-22	Faculty Development Program (FDP)	Central Govt. Agency	Electronics and Communication	14-06-2021 00:00:00	19-06-2021 00:00:00	6	48	Online
17	NAAC Awareness programme for faculty	2020-21	Faculty Development Program (FDP)	Central Govt. Agency	Computer science	08-05-2020 00:00:00	14-05-2020 00:00:00	7	56	Online
18	sensor Technology	2020-21	Faculty Development Program (FDP)	Central Govt. Agency	Electronics and Communication	21-09-2020 00:00:00	25-09-2020 00:00:00	5	40	Online
19	Computational Electromagnetics and applications	2020-21	Short-term Certificate Program	Industry/Non-Govt.	Electronics and communication	24-08-2020 00:00:00	29-08-2020 00:00:00	6	48	Online
20	Advanced pedagogies active learning and digital tools	2020-21	Short-term Certificate Program	State Govt. Agency	IIT hyderbad	14-12-2020 00:00:00	18-12-2020 00:00:00	5	40	Online
21	The world of wonderful sensors	2020-21	Faculty Development Program (FDP)	Central Govt. Agency	AICTE	21-09-2020 00:00:00	25-09-2020 00:00:00	5	40	Online

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 of Delivery
22	moodle learning management system	2020-21	Faculty Development Program (FDP)	Central Govt. Agency	ICT MHRD	10-10-2020 00:00:00	14-10-2020 00:00:00	5	40	Online
23	online learning assesment system	2020-21	Faculty Development Program (FDP)	Central Govt. Agency	kalburagi local center	18-06-2020 00:00:00	22-06-2020 00:00:00	5	40	Online
24	ICT based Teaching and Learning process	2020-21	Faculty Development Program (FDP)	Industry/Non-Govt.	RCP	01-07-2020 00:00:00	05-07-2020 00:00:00	5	40	Online
25	Effective Usages of Educational Technology in Teaching-Learning Process as a Part of NBA Accredition	2020-21	Faculty Development Program (FDP)	Central Govt. Agency	IQAC MSRIT	22-06-2020 00:00:00	26-06-2020 00:00:00	5	40	Online
26	Digital Transformation in Teaching Learning Process	2020-21	Faculty Development Program (FDP)	Central Govt. Agency	NPIU	14-02-2020 00:00:00	06-03-2020 00:00:00	22	110	Online

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 of Delive...
27	data sciene and IOT	2020-21	Faculty Development Program (FDP)	Central Govt. Agency	siet	09-06-2020 00:00:00	13-06-2020 00:00:00	5	40	Online
28	Satellite photgrammetry and its applications	2020-21	Faculty Development Program (FDP)	Central Govt. Agency	IIRS	29-06-2020 00:00:00	03-07-2020 00:00:00	5	40	Online
29	Advanced microcontroller and python programming	2020-21	Faculty Development Program (FDP)	Central Govt. Agency	IEEE IIT	11-08-2020 00:00:00	15-08-2020 00:00:00	5	40	Online
30	sensor technology	2020-21	Faculty Development Program (FDP)	Central Govt. Agency	AICTE	21-09-2020 00:00:00	25-09-2020 00:00:00	5	40	Online
31	Research Directions in Wireless Communication	2020-21	Faculty Development Program (FDP)	Central Govt. Agency	Electronics and Communication	17-08-2020 00:00:00	21-08-2020 00:00:00	5	40	Online

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 of Delive
32	training of future skills technologies cyber security	2020-21	Faculty Development Program (FDP)	Central Govt. Agency	IIT roorkee	10-02-2020 00:00:00	21-02-2020 00:00:00	12	96	Offline
33	How to get Patent - Regulation by IPR Department	2020-21	Short-term Certificate Program	Self Sponsored/Supported	CSE	25-07-2020 00:00:00	29-07-2020 00:00:00	5	30	Online
34	SCI Paper and research Proposal writing	2020-21	Short-term Certificate Program	Self Sponsored/Supported	IEM	14-08-2020 00:00:00	19-08-2020 00:00:00	6	30	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	Contact no	Email	Govt. Schemes
1	Start-Up Cell	Ambedkar Centre for Tech Startup (ACTS)	Dr.Prabha R	6362019924	prabha.cs@drait.edu.in	Mentoring Support,Seed Grant Support,Pre-Incubation Facility Support (Idea to Prototype and Innovative Business Plan Development),Incubation Facility Support (Innovative Business Model to Startup and Market Linkage & Growth Stage)

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

Sr. No.	Name of Unit	In-charge Name	Contact no	Email	Govt. Schemes
1	Takshashila Business Incubator-MSME, Dr. Ambedkar Institute of Technology, Bengaluru	Ramprasad C	9845867818	ramprasad.me@drait.edu.in	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	Contact no	Email	Govt. Schemes
1	IPR Cell	INTELLECTUAL PROPERTY RIGHTS (IPR) CELL	Mr.Srinivasa A H	9449611659	srinivasaah.cs@drait.edu.in	Mentoring Support,Seed Grant Support,Pre-Incubation Facility Support (Idea to Prototype and Innovative Business Plan Development),Incubation Facility Support (Innovative Business Model to Startup and Market Linkage & Growth Stage),Investment - Angel a

Section 4: Generation and Support of Ideas / 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 31st October 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	Contact No	Email	Total Grant Receiv (from sourc
1	Low Cost Solar Cum Battery Powered Hybrid Chainless Drive System Tricycle for Physical Challenged Persons	Academic Requirement/Study Project	2021-22	TRL 6 : Prototype system tested in intended environment close to expected performance	Ramprasad C	Faculty		dcramprasad@gmail.com	0
2	IOT based Remote Electronic voting system using Aadhar and dual Biometric Authentication.	Academic Requirement/Study Project	2021-22	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	Ramprasad C	Faculty		dcramprasad@gmail.com	0

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	Contact No	Email	Total Grant Received (from source
3	SKIN PIGMENTATION CLASSIFICATION FOR MALIGNANT SKIN LESIONS (SKIN CANCER)	Academic Requirement/Study Project	2021-22	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	Ramprasad C	Faculty		dcramprasad@gmail.com	6000
4	Reconfigurable Architecture for Moving Object Detection with Motion Compensation	Academic Research Assignment/Industry Sponsored Project	2021-22	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	Ramprasad C	Faculty		dcramprasad@gmail.com	0
5	FACUTLY E-ATTENDANCE WITH GEO-FENCING TECHNOLOGY	Academic Requirement/Study Project	2020-21	TRL 6 : Prototype system tested in intended environment close to expected performance	Ramprasad C	Faculty		dcramprasad@gmail.com	0

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	Contact No	Email	Total Grant Receiv (from source
6	"INTELLIGENT WALKING STICK FOR VISUALLY CHALLENGED PEOPLE"	Academic Requirement/Study Project	2020-21	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	Ramprasad C	Faculty		dcramprasad@gmail.com	0
7	"FINGERPRINT BASED LINEMAN SAFETY"	Academic Requirement/Study Project	2020-21	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	Ramprasad C	Faculty		dcramprasad@gmail.com	0
8	"FLOATING WASTE SCOOPER ROBOT ON WATER SURFACE"	Academic Requirement/Study Project	2020-21	TRL 6 : Prototype system tested in intended environment close to expected performance	Ramprasad C	Faculty		dcramprasad@gmail.com	6000

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 31st October 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	D of F Le
No Data Found										

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	View
1	Loginware Softtec Pvt. Ltd	Corporate/Industry Association	five	Active	13-07-2022	View (/Uploads/Institute/ARI-C-1291/2021-22/CollaboratExternal/
2	SKILL VERTEX EDUTECH	Corporate/Industry Association	thre	Active	22-10-2021	View (/Uploads/Institute/ARI-C-1291/2021-22/CollaboratExternal/
3	Aparimitha Tech Innovators	Corporate/Industry Association	thre	Active	12-04-2022	View (/Uploads/Institute/ARI-C-1291/2021-22/CollaboratExternal/
4	JK infotech	Corporate/Industry Association	four	Active	16-03-2021	View (/Uploads/Institute/ARI-C-1291/2021-22/CollaboratExternal/
5	Rama Engineering Consultancy Services Pvt. Ltd.	Non Govt. Agency	3yrs	Active	18-10-2021	View (/Uploads/Institute/ARI-C-1291/2021-22/CollaboratExternal/
6	Edison Amp Technologies	Non Govt. Agency	3yrs	Active	05-03-2020	View (/Uploads/Institute/ARI-C-1291/2021-22/CollaboratExternal/
7	EDALL SYSTEMS	Non Govt. Agency	Thre	Active	09-05-2022	View (/Uploads/Institute/ARI-C-1291/2021-22/CollaboratExternal/
8	Prakruthi Institute of Environmental studies	Non Govt. Agency	Thre	Active	25-05-2022	View (/Uploads/Institute/ARI-C-1291/2021-22/CollaboratExternal/

| 9 | Grahtek | Corporate/Industry Association | one | Active | 24-06-2021 | View (/Uploads/Institute/ARI-C-1291/2021-22/CollaboratExternal/ |
| 10 | Stockbyte | Corporate/Industry Association | Onee | Active | 12-05-2022 | View (/Uploads/Institute/ARI-C-1291/2021-22/CollaboratExternal/ |

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?
1	Synthesis of E-waste based on Machine Learning and Artificial Intelligence Autonomous Management System for Smart Environment	Design	202141044783	02-02-2021	No
2	Novel Audio-Video Device for Teaching Foregin Language to the People of Different Mother Tongue Simultaneously	Design	202041042274	29-09-2022	No
3	Development of Image Processing based fruit spoiled detection	Design	202141008722	02-03-2021	No
4	development of IoT based underground wire fault detection system	Design	202141000118A	26-02-2021	No

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?
5	design and development of Smart Security and Surveillance System	Design	202141003615A	05-02-2021	No
6	Design of Luminous Light for vehicle monitoring System using IoT	Design	202041031102A	21-07-2020	No
7	A portable Device to measure blood pressure, heart rate, body temperature and expiratory flow rate	Design	202041009243	04-03-2020	No
8	SIMULTANEOUS DIRECTION-OF-ARRIVAL ESTIMATION OF UNCORRELATED, CORRELATED AND COHERENT SOURCE SIGNALS WITHOUT ESTIMATION A SOURCE NUMBER	Design	202241024626	27-04-2022	No

7.2) Patents Filed by HEI

Sr. No.	Title/Name of Patent	IP Registration Number	Date of Filed/Published
1	System and Method for monitoring, detecting and counting fruits in a Field	2021105629	07-08-2021
2	Person Re-identification using Machine Learning approaches in video Surveillance	202141036938	20-08-2021
3	A Single assistive device for physically challenged people, Deaf, Dumb & Blind	202041050523	20-11-2020
4	Two-way Smart Communication between Physically Challenged and Normal People	202141034583	31-07-2021
5	BRAIN TUMOR DETECTION and CLASSIFICATION USING DEEP LEARNING MODEL and METHODS	202141010690	13-03-2021
6	TRAFFIC POLICE OCCUPATIONAL STRESS MODEL and COPING STRATEGIES THEREOF	202141015753	02-04-2021
7	IoT Based Smart Accessory to Monitor and Prevent Fuel Theft in LRRT Vehicles and Receptacles	2022401040115	13-07-2022

Sr. No.	Title/Name of Patent	IP Registration Number	Date of Filed/Published
8	an Integrated Adapter Device with Selective Power Distribution and Charge Characteristics Information Retrieval System	202241038249	04-07-2022
9	System and Method for Vibration Suppression of Different Types of Structures using Multiple Sensing Techniques using Control Algorithms	202111021980	16-05-2021
10	Artificial Intelligence Based Automated Data Security And Assistance System	202141039098	29-08-2021
11	INTELLIGENT BATTERY SWAPING TECHNOLOGY FOR E-VEHICLE	202141023431	26-05-2021
12	MULTI-STAGE BLADE ROTOR FOR HORIZONTAL AXIS WIND TURBINE	202141022434	05-05-2021
13	PERFORMANCE MONITORING DEVICE FOR A REAL TIME MANUFACTURING MACHINE	202111030293	06-07-2021
14	SYSTEM FOR INTEGRATED MONITORING AND MANAGEMENT OF AGRICULTURE AND RELATED PARAMETERS USING INTERNET OF THINGS	202111021983	16-05-2021
15	ARTIFICIAL INTELLIGENCE BASED AUTOMATED MATERIAL MANAGEMENT SYSTEM	202141024010	29-05-2021
16	PATCH ANTENNA,METHOD OF MANUFACTURING AND USING SUCH AN ANTENNA, AND ANTENNA SYSTEM	202111022123A	28-05-2021
17	THE SYSTEM AND APPARATUS FOR IMAGE RESOLUTION BY USING DEEP LEARNING TECHNIQUE	2021106056	20-08-2021

7.3) 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	View

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	View
1	202141044783	SYNTHESIS OF E-WASTE BASED ON MACHINE LEARNING & ARTIFICIAL INTELLIGENCE AUTONOMOUS MANAGEMENT SYSTEM FOR SMART ENVIRONMENT	02-02-2021	Published	2021	Other(Individual)	View (/Uploads/Institute/PatentFiledNew/ARI-C-129
2	202141008722	DEVELOPMENT OF IMAGE PROCESSING BASED FRUIT SPOILED DETECTION SYSTEM	12-03-2021	Published	2021	Other(Individual)	View (/Uploads/Institute/PatentFiledNew/ARI-C-129
3	202141000118	Development of IoT based underground wire fault detection system	26-02-2021	Published	2021	Other(Individual)	View (/Uploads/Institute/PatentFiledNew/ARI-C-129

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	View
4	202141003615	DESIGN AND DEVELOPMENT OF SMART SECURITY AND SURVEILLANCE SYSTEM	05-02-2021	Published	2021	Other(Individual)	View (/Uploads/Institute/PatentFiledNew/ARI-C-129
5	202041031102	DESIGN OF LUMINOUS LIGHT FOR VEHICLE MONITORING SYSTEM USING IOT	31-07-2020	Published	2020	Other(Individual)	View (/Uploads/Institute/PatentFiledNew/ARI-C-129
6	202041009243	A PORTABLE DEVICE TO MEASURE BLOOD PRESSURE, HEART RATE, BODY TEMPERATURE AND EXPIRATORY FLOW RATE	10-09-2021	Published	2021	Applicant	View (/Uploads/Institute/PatentFiledNew/ARI-C-129

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	View
7	202241024626	SIMULTANEOUS DIRECTION-OF-ARRIVAL ESTIMATION OF UNCORRELATED, CORRELATED AND COHERENT SOURCE SIGNALS WITHOUT ESTIMATION A SOURCE NUMBER.	13-05-2022	Published	2022	Other(Individual)	View (/Uploads/Institute/PatentFiledNew/ARI-C-12!
8	202041050523	A SINGLE ASSISTIVE DEVICE FOR PHYSICALLY CHALLENGED PEOPLE - DEAF, DUMB AND BLIND	20-11-2020	Granted	2020	Other(Individual)	View (/Uploads/Institute/PatentFiledNew/ARI-C-12!
9	202141034583	Two-way Smart Communication between Physically Challenged and Normal People	31-07-2021	Published	2021	Other(Individual)	View (/Uploads/Institute/PatentFiledNew/ARI-C-12!

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	View
10	202141010690	TITLE OF INVENTION: BRAIN TUMOR DETECTION AND CLASSIFICATION USING DEEP LEARNING MODEL AND METHODS THEREOF	13-03-2021	Published	2021	Other(Individual)	View (/Uploads/Institute/PatentFiledNew/ARI-C-12!
11	202141015753	TITLE OF INVENTION: TRAFFIC POLICE OCCUPATIONAL STRESS MODEL AND COPING STRATEGIES THEREOF	02-04-2021	Published	2021	Other(Individual)	View (/Uploads/Institute/PatentFiledNew/ARI-C-12!
12	202241040115	IoT BASED SMART ACCESSORY TO MONITOR AND PREVENT FUEL THEFT IN LRRT VEHICLES AND RECEPTACLES	13-07-2022	Published	2022	Other(Individual)	View (/Uploads/Institute/PatentFiledNew/ARI-C-12!

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	View
13	202241038249	AN INTEGRATED ADAPTER DEVICE WITH SELECTIVE POWER DISTRIBUTION AND CHARGE CHARACTERISTICS INFORMATION RETRIEVAL SYSTEM	04-07-2022	Published	2022	Other(Individual)	View (/Uploads/Institute/PatentFiledNew/ARI-C-12!
14	202111021980	SYSTEM AND METHOD FOR VIBRATION SUPPRESSION OF DIFFERENT TYPES OF STRUCTURES USING MULTIPLE SENSING TECHNIQUES USING CONTROL ALGORITHMS	16-05-2021	Published	2021	Other(Individual)	View (/Uploads/Institute/PatentFiledNew/ARI-C-12!

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	View
15	202141039098	ARTIFICIAL INTELLIGENCE BASED AUTOMATED DATA SECURITY AND ASSISTANCE SYSTEM	29-08-2021	Published	2021	Other(Individual)	View (/Uploads/Institute/PatentFiledNew/ARI-C-12!
16	202141023431	INTELLIGENT BATTERY SWAPPING TECHNOLOGY FOR E- VEHICLE	26-05-2021	Published	2021	Other(Individual)	View (/Uploads/Institute/PatentFiledNew/ARI-C-12!
17	202141022434	MULTI STAGE BLADE ROTOR FOR HORIZONTAL AXIS WIND TURBINE	19-05-2021	Published	2021	Other(Individual)	View (/Uploads/Institute/PatentFiledNew/ARI-C-12!
18	202111030293	PERFORMANCE MONITORING DEVICE FOR A REAL TIME MANUFACTURING MACHINE	06-07-2021	Published	2021	Other(Individual)	View (/Uploads/Institute/PatentFiledNew/ARI-C-12!

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	View
19	202041053139	Machine Learning Based Intelligence Automatic water tank cleaning Robot for home	12-07-2020	Published	2020	Other(Individual)	View (/Uploads/Institute/PatentFiledNew/ARI-C-12!
20	202041034749	AIR QUALITY MONITORING AND CONTROLLING DEVICE USING INTERNET OF THINGS (IOT)	13-08-2020	Published	2020	Other(Individual)	View (/Uploads/Institute/PatentFiledNew/ARI-C-12!
21	202141032904	BACKLIGHT PREVENTION IN PHOTOGRAPHY AND VIDEOGRAPHY WITHOUT USING POST-PROCESSING COMPENSATION TECHNIQUES	22-07-2021	Published	2021	Other(Individual)	View (/Uploads/Institute/PatentFiledNew/ARI-C-12!

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	View
22	202141024010	"Artificial intelligence based automated material management system",	21-05-2021	Granted	2021	Other(Individual)	View (/Uploads/Institute/PatentFiledNew/ARI-C-12!
23	202041047145	IOT based Intelligent system thereof	29-10-2020	Published	2021	Other(Individual)	View (/Uploads/Institute/PatentFiledNew/ARI-C-12!
24	202041047576	Trespassers detection system for Agriculture fields using Artificial Intelligence and Methods	30-10-2021	Published	2021	Other(Individual)	View (/Uploads/Institute/PatentFiledNew/ARI-C-12!
25	202041029857	Weighted Fundus Photography Features for Automatic Early Detection of Glacouma Using Damage Likelyhood Scale	14-07-2020	Published	2021	Other(Individual)	View (/Uploads/Institute/PatentFiledNew/ARI-C-12!

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	View
26	2021103367	A Big Data Analytics System for Performing Real-Time Analysis for the Wellness of a User	15-06-2021	Granted	2022	Other(Individual)	View (/Uploads/Institute/PatentFiledNew/ARI-C-12!
27	2021103285	Unmanned Aerial Vehicle Based Medicinal Plant Classification System	10-06-2021	Granted	2022	Other(Individual)	View (/Uploads/Institute/PatentFiledNew/ARI-C-12!
28	2021106278	Automated Anterior Cruciate Ligament (ACL) Tear Detection System	21-08-2021	Granted	2021	Other(Individual)	View (/Uploads/Institute/PatentFiledNew/ARI-C-12!
29	2021105629	System and Method for Monitoring, Detecting and Counting Fruits in a Field	17-08-2021	Granted	2021	Other(Individual)	View (/Uploads/Institute/PatentFiledNew/ARI-C-12!

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	View
30	2021103326	Deep Learning Based Road Condition Monitoring System	13-06-2021	Granted	2021	Other(Individual)	View (/Uploads/Institute/PatentFiledNew/ARI-C-129...
31	2021100959	Security Protocol to Prevent Attacks from Programmable Matter in IoT Networks	21-02-2021	Granted	2021	Other(Individual)	View (/Uploads/Institute/PatentFiledNew/ARI-C-129...
32	389581	A Floating Platform System for Remotely Monitoring and Analyzing the Quality of Water Bodies	15-04-2021	Granted	2022	Applicant	View (/Uploads/Institute/PatentFiledNew/ARI-C-129...

7.4) 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

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						

Declaration

To,
The ARIIA Committee
MHRD's Innovation Cell
New Delhi
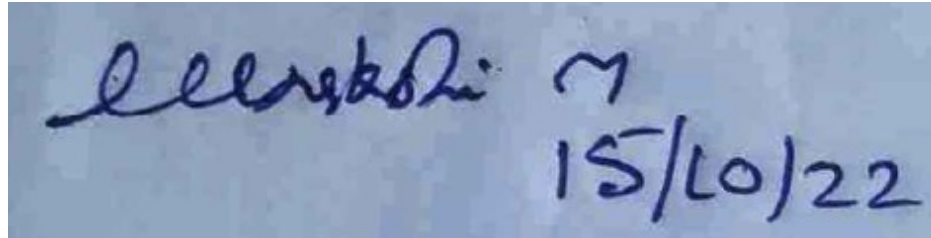
Joint Declaration by the Head of the Institute and Nodal Officer

Dear Sir,

Herewith, myself **Dr. M. Meenakshi** (Head of Institute) and **Mr. Mahalinga V Mandi** (Nodal Officer) jointly declaring on behalf of our institute is that all the information submitted are true and correct to best of our knowledge.
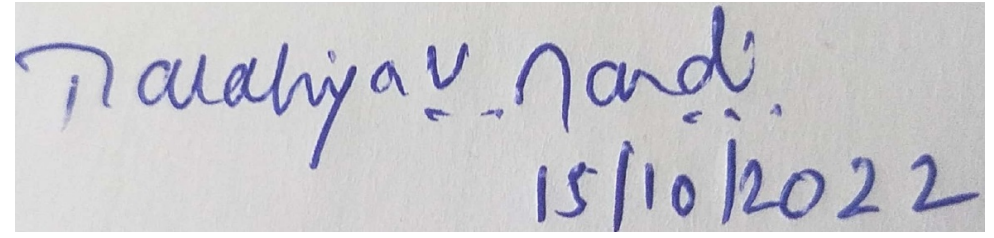
Thank you

The Head of Institute	Nodal officer
Meenakshi M 15/10/22	*Mahaliya V Mandi* 15/10/2022
Dr. M. Meenakshi, Head of the Institution, Dr Ambedkar institute of Technology, Bangalore, Karnataka	Mr. Mahalinga V Mandi, Nodal Officer, Dr Ambedkar institute of Technology, Bangalore, Karnataka