



# ARIIA

## ATAL RANKING OF INSTITUTIONS ON INNOVATION ACHIEVEMENTS



**MoE**  
Ministry of Education  
Government of India

### Verification Submitted Institute Data for Atal Ranking of Institutions on Innovation Achievements (ARIIA) - 2020-21

Institute Name: GMR INSTITUTE OF TECHNOLOGY [ARI-C-17958]

### List all the departments / centers / units are part of innovation and startup ecosystem of the institute

Srno	Department / Center / Unit Name	Type of Department / Center / Unit	Mention the Stream / Discipline / Sector of focus	Department / Center / Unit Level	Program Type	Student / Beneficiary Strength (2019-20)	Academic Staff Strength (2019-20)	Non-academic Staff Strength (2019-20)
1	GMR INSTITUTE OF TECHNOLOGY	Research Unit / Park	Engineering	UG / PG / PhD	Technical	3293	228	110
2	Computer Science Engineering	Centre of Excellence with Advance Tools & Equipment	Engineering	UG / PG / PhD	Technical	1017	49	25
3	Electrical and Electronics Engineering	Centre of Excellence with Advance Tools & Equipment	Engineering	UG / PG / PhD	Technical	471	33	16
4	Mechanical Engineering	Centre of Excellence with Advance Tools & Equipment	Engineering	UG / PG / PhD	Technical	545	42	25
5	Electronics and Communication Engineering	Centre of Excellence with Advance Tools & Equipment	Engineering	UG / PG / PhD	Technical	726	52	26
6	Civil Engineering	Centre of Excellence with Advance Tools & Equipment	Engineering	UG / PG / PhD	Technical	444	43	15
7	Chemical Engineering	Centre of Excellence with Advance Tools & Equipment	Engineering	UG / PG / PhD	Technical	90	9	3

### Participation of HEI in Innovation & Entrepreneurship Initiatives of Ministry of Education (Till Today)

Programs/Initiatives	Status	Registration ID
Adopted National Innovation and Start-up Policy at the HEI	Yes	Not Required
Establishment of Institution's Innovation Council (IIC) at HEI	YES	IIC Registration ID : IC201811248
Trained Innovation Ambassadors at HEI	NO	Not Required
Participation in Smart India Hackathon (SIH)	Yes	Not Required
Facilitated listing start-ups/ technologies in Young India combating COVID with Knowledge, Technology and Innovation (YUKTI 2.0) portal of MIC	No	Not Required
Participation in National Education Alliance of Technology (NEAT)	Yes	Not Required

**Section 1 > i : Details of Co-curricular events/programs related to Innovation, IPR and Entrepreneurship/Start-up Conducted by the HEI**

Srno	Name of Program (Full Name)	Program Theme	Program Type	Program Category	Organizing Department / Centre / Student Body Name	Program Start Date	Program End Date	Program Duration(in Days)	Program Location	Internal Participants (Student)	Internal Participants (Faculty)	External Participants (Student)	External Participants (Faculty)	Total Number of Participants	Had institute spent expenses either from own resource/received fund to organise the program/activity/event?	Did any of the participants received any awards/recognition for startup / innovation ideas / research?
1	Prochem – 2020	Innovation	Workshop	Student Lead Activity	Chemical Engineering	20-09-2019 00:00:00	22-09-2019 00:00:00	3	Within Campus	41	25	14	12	92	No	No
2	Drone Voyage	Entrepreneurship/Start-up	Workshop	Student Lead Activity	Electrical and Electronics Engineering	31-01-2020 00:00:00	02-02-2020 00:00:00	3	Within Campus	9	12	15	15	51	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees) 30000	No
3	circuit crackers	Innovation	Training	Student Lead Activity	Electrical and Electronics Engineering	31-01-2020 00:00:00	02-02-2020 00:00:00	3	Within Campus	15	14	17	25	71	No	No
4	Control Systems Design - From A Beginner To An Expert - 1.0	Innovation	Workshop	Institute Lead Activity	Electrical and Electronics Engineering	25-03-2020 00:00:00	30-03-2020 00:00:00	6	Within Campus	21	90	142	100	353	No	No
5	National Engineering Challenge 2019	Innovation	Workshop	Student Lead Activity	Information Technology	25-03-2020 00:00:00	25-03-2020 00:00:00	1	Outside Campus	214	30	11	8	263	No	No
6	Microsoft Student Partners 2020	Innovation	Workshop	Student Lead Activity	Information Technology	20-03-2020 00:00:00	22-03-2020 00:00:00	3	Outside Campus	117	15	19	19	170	No	No
7	ACM Student Chapter GMRIT	Innovation	Seminar	Student Lead Activity	Information Technology	05-02-2020 00:00:00	22-02-2020 00:00:00	18	Outside Campus	19	12	14	15	60	No	No
8	WAC 2019 at IIT Hyderabad	Innovation	Workshop	Student Lead Activity	Information Technology	21-01-2020 00:00:00	27-01-2020 00:00:00	7	Outside Campus	121	60	78	15	274	No	No
9	Association for Computing Machinery GMRIT Student Chapter	Innovation	Workshop	Student Lead Activity	Information Technology	20-03-2020 00:00:00	21-03-2020 00:00:00	2	Within Campus	22	44	9	9	84	No	No

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10	Government of Andhra Pradesh Department of Youth Advancement	Innovation	Conference	Student Lead Activity	Information Technology	06-02-2020 00:00:00	06-02-2020 00:00:00	1	Outside Campus	22	12	27	22	83	No	No
11	ACM Major League Hacking LOCAL HACK DAY	Innovation	Workshop	Student Lead Activity	Information Technology	20-03-2020 00:00:00	21-03-2020 00:00:00	2	Within Campus	121	121	9	9	260	No	No
12	HACK AI ON HEALTH	Innovation	Hackathon	Student Lead Activity	Information Technology	25-03-2020 00:00:00	28-03-2020 00:00:00	4	Outside Campus	16	23	7	9	55	No	No
13	Industrial visit to APEPDC L 220KV Sub station	IPR	Exposure visit	Institute Lead Activity	Power Engineering	17-08-2019 00:00:00	17-08-2019 00:00:00	1	Outside Campus	57	49	164	5	275	No	No

**Section 1 > ii : Details of Students, Faculties/Staff Participation/Representation in Co-curricular events/programs related to Innovation, IPR and Entrepreneurship/Start-up at the State, National and (or) International Level (Organized by External Organizations) sent by the HEI**

Srno	Name of Program (Full Name)	Program Theme	Program Type	Organizing Agency / Institute Name	Organizing Agency Type	Program Start Date	Program End Date	Program Duration(in Days)	Participants (Students)	Participants (Faculty)	Total Number of Participants	Awards/Recognitions/Achievements	Award / Position / Recognition Secured	Title of Innovation / Start-up Secured the Award / Recognition	Had institute spent expenses either from own resource/ received fund towards sending delegation to participate / represent the activity /event?	Did any of the participants received any awards/recognition for startup / innovation ideas / research						
1	Stepcove - 2020	Innovation	Workshop	GMR Institute of Technology(GMRT)	Educational Institute	31-01-2020 00:00:00	02-02-2020 00:00:00	3	80	20	100	Yes	2	Stepcove - 2020	No	<table border="1"> <tr> <td>Award / Position / Recognition Secured</td> <td>2</td> </tr> <tr> <td>Title of Innovation / Start-up Secured the Award / Recognition</td> <td>Stepcove - 2020</td> </tr> <tr> <td>Award/Recognition/Achievement Received for</td> <td>Idea/Innovation/Prototype</td> </tr> </table>	Award / Position / Recognition Secured	2	Title of Innovation / Start-up Secured the Award / Recognition	Stepcove - 2020	Award/Recognition/Achievement Received for	Idea/Innovation/Prototype
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2	Stepcone -2020	Innovation	Skill development	GMR Institute of Technology (GMRI T)	Educational Institute	01-02-2020 00:00:00	01-02-2020 00:00:00	1	120	18	138	Yes	6 Awards	Stepcone -2020	No	<table border="1"> <tr> <td>Award / Position / Recognition Secured</td> <td>6 Awards</td> </tr> <tr> <td>Title of Innovation / Start-up Secured the Award / Recognition</td> <td>Stepcone - 2020</td> </tr> <tr> <td>Award/Recognition/Achievement Received for</td> <td>Idea/Innovation/Prototype</td> </tr> </table>	Award / Position / Recognition Secured	6 Awards	Title of Innovation / Start-up Secured the Award / Recognition	Stepcone - 2020	Award/Recognition/Achievement Received for	Idea/Innovation/Prototype
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Title of Innovation / Start-up Secured the Award / Recognition	Stepcone - 2020																					
Award/Recognition/Achievement Received for	Idea/Innovation/Prototype																					
3	Intelligent Systems and Robotics	Innovation	Workshop	GMR Institute of Technology (GMRI T)	Educational Institute	17-08-2019 00:00:00	21-08-2019 00:00:00	5	469	15	484	Yes	2	Intelligent Systems and Robotics	No	<table border="1"> <tr> <td>Award / Position / Recognition Secured</td> <td>2</td> </tr> <tr> <td>Title of Innovation / Start-up Secured the Award / Recognition</td> <td>Intelligent Systems and Robotics</td> </tr> <tr> <td>Award/Recognition/Achievement Received for</td> <td>Idea/Innovation/Prototype</td> </tr> </table>	Award / Position / Recognition Secured	2	Title of Innovation / Start-up Secured the Award / Recognition	Intelligent Systems and Robotics	Award/Recognition/Achievement Received for	Idea/Innovation/Prototype
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Award/Recognition/Achievement Received for	Idea/Innovation/Prototype																					
4	Energy Management of Smart Grids and microgrids with IOT	Innovation	Workshop	RVR and JC college of engg.,Guntur	Educational Institute	29-07-2019 00:00:00	03-08-2019 00:00:00	6	34	1	35	Yes	2	Energy Management of Smart Grids and microgrids with IOT	No	<table border="1"> <tr> <td>Award / Position / Recognition Secured</td> <td>2</td> </tr> <tr> <td>Title of Innovation / Start-up Secured the Award / Recognition</td> <td>Energy Management of Smart Grids and microgrids with IOT</td> </tr> <tr> <td>Award/Recognition/Achievement Received for</td> <td>Idea/Innovation/Prototype</td> </tr> </table>	Award / Position / Recognition Secured	2	Title of Innovation / Start-up Secured the Award / Recognition	Energy Management of Smart Grids and microgrids with IOT	Award/Recognition/Achievement Received for	Idea/Innovation/Prototype
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5	Smart and Microgrid	Innovation	Workshop	KSRM College of Engineering college	Educational Institute	05-09-2019 00:00:00	09-09-2019 00:00:00	5	26	1	27	Yes	2	Smart and Microgrid	No	<table border="1"> <tbody> <tr> <td>Award / Position / Recognition Secured</td> <td>2</td> </tr> <tr> <td>Title of Innovation / Start-up Secured the Award / Recognition</td> <td>Smart and Microgrid</td> </tr> <tr> <td>Award/Recognition/Achievement Received for</td> <td>Idea/Innovation/Prototype</td> </tr> </tbody> </table>	Award / Position / Recognition Secured	2	Title of Innovation / Start-up Secured the Award / Recognition	Smart and Microgrid	Award/Recognition/Achievement Received for	Idea/Innovation/Prototype
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Title of Innovation / Start-up Secured the Award / Recognition	Smart and Microgrid																					
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6	Internet of Things (IOT)	Innovation	Workshop	MANIT,Bhopal	Educational Institute	04-11-2019 00:00:00	08-11-2019 00:00:00	5	69	1	70	Yes	1	Internet of Things (IOT)	No	<table border="1"> <tbody> <tr> <td>Award / Position / Recognition Secured</td> <td>1</td> </tr> <tr> <td>Title of Innovation / Start-up Secured the Award / Recognition</td> <td>Internet of Things (IOT)</td> </tr> <tr> <td>Award/Recognition/Achievement Received for</td> <td>Idea/Innovation/Prototype</td> </tr> </tbody> </table>	Award / Position / Recognition Secured	1	Title of Innovation / Start-up Secured the Award / Recognition	Internet of Things (IOT)	Award/Recognition/Achievement Received for	Idea/Innovation/Prototype
Award / Position / Recognition Secured	1																					
Title of Innovation / Start-up Secured the Award / Recognition	Internet of Things (IOT)																					
Award/Recognition/Achievement Received for	Idea/Innovation/Prototype																					
7	Applied Robotics Control Lab Faculty Development Progream2.0	Innovation	Workshop	German Center For Advanced Engineering	Govt. Agency (State)	05-08-2019 00:00:00	12-08-2019 00:00:00	8	100	15	115	Yes	3	Applied Robotics Control Lab Faculty Development Progream2.0	No	<table border="1"> <tbody> <tr> <td>Award / Position / Recognition Secured</td> <td>3</td> </tr> <tr> <td>Title of Innovation / Start-up Secured the Award / Recognition</td> <td>Applied Robotics Control Lab Faculty Development Progream2.0</td> </tr> <tr> <td>Award/Recognition/Achievement Received for</td> <td>Idea/Innovation/Prototype</td> </tr> </tbody> </table>	Award / Position / Recognition Secured	3	Title of Innovation / Start-up Secured the Award / Recognition	Applied Robotics Control Lab Faculty Development Progream2.0	Award/Recognition/Achievement Received for	Idea/Innovation/Prototype
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8	Cutting-Edge Technologies for Electrical Engineering	Innovation	Workshop	Andhra LOYOLA INSTITUTE OF ENGINEERING AND TECHNOLOGY	Educational Institute	18-03-2020 00:00:00	18-03-2020 00:00:00	1	50	19	69	Yes	1	Cutting-Edge Technologies for Electrical Engineering	No	<table border="1"> <tr> <td>Award / Position / Recognition Secured</td> <td>1</td> </tr> <tr> <td>Title of Innovation / Start-up Secured the Award / Recognition</td> <td>Cutting-Edge Technologies for Electrical Engineering</td> </tr> <tr> <td>Award/Recognition/Achievement Received for</td> <td>Idea/Innovation/Prototype</td> </tr> </table>	Award / Position / Recognition Secured	1	Title of Innovation / Start-up Secured the Award / Recognition	Cutting-Edge Technologies for Electrical Engineering	Award/Recognition/Achievement Received for	Idea/Innovation/Prototype
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9	Control Systems Design - From A Beginner To An Expert - 1.0	Innovation	Workshop	GMR Institute of Technology(GMRT)	Educational Institute	25-03-2020 00:00:00	30-03-2020 00:00:00	6	521	8	529	Yes	1	Control Systems Design - From A Beginner To An Expert - 1.0	No	<table border="1"> <tr> <td>Award / Position / Recognition Secured</td> <td>1</td> </tr> <tr> <td>Title of Innovation / Start-up Secured the Award / Recognition</td> <td>Control Systems Design - From A Beginner To An Expert - 1.0</td> </tr> <tr> <td>Award/Recognition/Achievement Received for</td> <td>Idea/Innovation/Prototype</td> </tr> </table>	Award / Position / Recognition Secured	1	Title of Innovation / Start-up Secured the Award / Recognition	Control Systems Design - From A Beginner To An Expert - 1.0	Award/Recognition/Achievement Received for	Idea/Innovation/Prototype
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10	RECENT Trends in Electrical Engineering	Innovation	Workshop	Priyadarshini College of Engineering	Educational Institute	18-03-2020 00:00:00	22-03-2020 00:00:00	5	22	2	24	Yes	2	RECENT Trends in Electrical Engineering	No	<table border="1"> <tr> <td>Award / Position / Recognition Secured</td> <td>2</td> </tr> <tr> <td>Title of Innovation / Start-up Secured the Award / Recognition</td> <td>RECENT Trends in Electrical Engineering</td> </tr> <tr> <td>Award/Recognition/Achievement Received for</td> <td>Idea/Innovation/Prototype</td> </tr> </table>	Award / Position / Recognition Secured	2	Title of Innovation / Start-up Secured the Award / Recognition	RECENT Trends in Electrical Engineering	Award/Recognition/Achievement Received for	Idea/Innovation/Prototype
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11	IOT Introduction and applications	Innovation	Workshop	MANIT, Bhopal	Educational Institute	04-05-2019 00:00:00	08-05-2019 00:00:00	5	15	2	17	Yes	1	IOT Introduction and applications	No	<table border="1"> <tr> <td>Award / Position / Recognition Secured</td> <td>1</td> </tr> <tr> <td>Title of Innovation / Start-up Secured the Award / Recognition</td> <td>IOT Introduction and applications</td> </tr> <tr> <td>Award/Recognition/Achievement Received for</td> <td>Idea/Innovation/Prototype</td> </tr> </table>	Award / Position / Recognition Secured	1	Title of Innovation / Start-up Secured the Award / Recognition	IOT Introduction and applications	Award/Recognition/Achievement Received for	Idea/Innovation/Prototype
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12	Applied Robotics Control Lab Faculty Development Program 2.0	Innovation	Workshop	VIT University	Educational Institute	05-05-2019 00:00:00	12-05-2019 00:00:00	8	24	11	35	Yes	1	Applied Robotics Control Lab Faculty Development Program 2.0	No	<table border="1"> <tr> <td>Award / Position / Recognition Secured</td> <td>1</td> </tr> <tr> <td>Title of Innovation / Start-up Secured the Award / Recognition</td> <td>Applied Robotics Control Lab Faculty Development Program 2.0</td> </tr> <tr> <td>Award/Recognition/Achievement Received for</td> <td>Idea/Innovation/Prototype</td> </tr> </table>	Award / Position / Recognition Secured	1	Title of Innovation / Start-up Secured the Award / Recognition	Applied Robotics Control Lab Faculty Development Program 2.0	Award/Recognition/Achievement Received for	Idea/Innovation/Prototype
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13	Blockchain	Innovation	Workshop	JNTUA College of Engineering	Educational Institute	20-03-2020 00:00:00	24-03-2020 00:00:00	5	15	11	26	Yes	1	Blockchain	No	<table border="1"> <tr> <td>Award / Position / Recognition Secured</td> <td>1</td> </tr> <tr> <td>Title of Innovation / Start-up Secured the Award / Recognition</td> <td>Blockchain</td> </tr> <tr> <td>Award/Recognition/Achievement Received for</td> <td>Idea/Innovation/Prototype</td> </tr> </table>	Award / Position / Recognition Secured	1	Title of Innovation / Start-up Secured the Award / Recognition	Blockchain	Award/Recognition/Achievement Received for	Idea/Innovation/Prototype
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14	Artificial Intelligence	Innovation	Workshop	College of Technology, and Engineering	Educational Institute	30-03-2020 00:00:00	31-03-2020 00:00:00	2	14	18	32	Yes	2	Artificial Intelligence	No	<table border="1"> <tr> <td>Award / Position / Recognition Secured</td> <td>2</td> </tr> <tr> <td>Title of Innovation / Start-up Secured the Award / Recognition</td> <td>Artificial Intelligence</td> </tr> <tr> <td>Award/Recognition/Achievement Received for</td> <td>Idea/Innovation/Prototype</td> </tr> </table>	Award / Position / Recognition Secured	2	Title of Innovation / Start-up Secured the Award / Recognition	Artificial Intelligence	Award/Recognition/Achievement Received for	Idea/Innovation/Prototype
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15	Role of lot Embedded Electric Vehicle and Power Converters for Smart World	Innovation	Workshop	St.Joseph's College of Engineering	Educational Institute	18-03-2020 00:00:00	22-03-2020 00:00:00	5	421	22	443	Yes	2	Role of lot Embedded Electric Vehicle and Power Converters for Smart World	No	<table border="1"> <tr> <td>Award / Position / Recognition Secured</td> <td>2</td> </tr> <tr> <td>Title of Innovation / Start-up Secured the Award / Recognition</td> <td>Role of lot Embedded Electric Vehicle and Power Converters for Smart World</td> </tr> <tr> <td>Award/Recognition/Achievement Received for</td> <td>Idea/Innovation/Prototype</td> </tr> </table>	Award / Position / Recognition Secured	2	Title of Innovation / Start-up Secured the Award / Recognition	Role of lot Embedded Electric Vehicle and Power Converters for Smart World	Award/Recognition/Achievement Received for	Idea/Innovation/Prototype
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16	Recent Advances in Signal Processing in Communications	Innovation	Workshop	GMR Institute of Technology	Educational Institute	03-01-2020 00:00:00	04-01-2020 00:00:00	2	326	18	344	Yes	2	Recent Advances in Signal Processing in Communications	No	<table border="1"> <tr> <td>Award / Position / Recognition Secured</td> <td>2</td> </tr> <tr> <td>Title of Innovation / Start-up Secured the Award / Recognition</td> <td>Recent Advances in Signal Processing in Communications</td> </tr> <tr> <td>Award/Recognition/Achievement Received for</td> <td>Idea/Innovation/Prototype</td> </tr> </table>	Award / Position / Recognition Secured	2	Title of Innovation / Start-up Secured the Award / Recognition	Recent Advances in Signal Processing in Communications	Award/Recognition/Achievement Received for	Idea/Innovation/Prototype
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17	Quad Copter Workshop	Innovation	Workshop	GMR Institute of Technology	Educational Institute	27-03-2020 00:00:00	31-03-2020 00:00:00	5	60	11	71	Yes	1	Quad Copter Workshop	No	<table border="1"> <tr> <td>Award / Position / Recognition Secured</td> <td>1</td> </tr> <tr> <td>Title of Innovation / Start-up Secured the Award / Recognition</td> <td>Quad Copter Workshop</td> </tr> <tr> <td>Award/Recognition/Achievement Received for</td> <td>Idea/Innovation/Prototype</td> </tr> </table>	Award / Position / Recognition Secured	1	Title of Innovation / Start-up Secured the Award / Recognition	Quad Copter Workshop	Award/Recognition/Achievement Received for	Idea/Innovation/Prototype
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18	Guesture Controlled Robotics Workshop	Innovation	Workshop	GMR Institute of Technology	Educational Institute	19-03-2020 00:00:00	23-03-2020 00:00:00	5	469	15	484	Yes	1	Guesture Controlled Robotics Workshop	No	<table border="1"> <tr> <td>Award / Position / Recognition Secured</td> <td>1</td> </tr> <tr> <td>Title of Innovation / Start-up Secured the Award / Recognition</td> <td>Guesture Controlled Robotics Workshop</td> </tr> <tr> <td>Award/Recognition/Achievement Received for</td> <td>Idea/Innovation/Prototype</td> </tr> </table>	Award / Position / Recognition Secured	1	Title of Innovation / Start-up Secured the Award / Recognition	Guesture Controlled Robotics Workshop	Award/Recognition/Achievement Received for	Idea/Innovation/Prototype
Award / Position / Recognition Secured	1																					
Title of Innovation / Start-up Secured the Award / Recognition	Guesture Controlled Robotics Workshop																					
Award/Recognition/Achievement Received for	Idea/Innovation/Prototype																					
19	Recent Advances in Signal Processing in Communications	Innovation	Workshop	GMR Institute of Technology	Educational Institute	25-03-2020 00:00:00	29-03-2020 00:00:00	5	60	4	64	Yes	2	Recent Advances in Signal Processing in Communications	No	<table border="1"> <tr> <td>Award / Position / Recognition Secured</td> <td>2</td> </tr> <tr> <td>Title of Innovation / Start-up Secured the Award / Recognition</td> <td>Recent Advances in Signal Processing in Communications</td> </tr> <tr> <td>Award/Recognition/Achievement Received for</td> <td>Novel Research Paper/Work</td> </tr> </table>	Award / Position / Recognition Secured	2	Title of Innovation / Start-up Secured the Award / Recognition	Recent Advances in Signal Processing in Communications	Award/Recognition/Achievement Received for	Novel Research Paper/Work
Award / Position / Recognition Secured	2																					
Title of Innovation / Start-up Secured the Award / Recognition	Recent Advances in Signal Processing in Communications																					
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**Section 1 > ii : Details of Students, Faculties/Staff Participation/Representation in Co-curricular events/programs related to Innovation, IPR and Entrepreneurship/Start-up at the State, National and (or) International Level (Organized by External Organizations) sent by the HEI**

20	ASIAN EBIKE CHALLENGE	Innovation	Workshop	GMR Institute of Technology	Educational Institute	10-03-2020 00:00:00	19-03-2020 00:00:00	10	25	16	41	Yes	1	ASIAN EBIKE CHALLENGE	No	<table border="1"> <tbody> <tr> <td>Award / Position / Recognition Secured</td> <td>1</td> </tr> <tr> <td>Title of Innovation / Start-up Secured the Award / Recognition</td> <td>ASIAN EBIKE CHALLENGE</td> </tr> <tr> <td>Award/Recognition/Achievement Received for</td> <td>Idea/Innovation/Prototype</td> </tr> </tbody> </table>	Award / Position / Recognition Secured	1	Title of Innovation / Start-up Secured the Award / Recognition	ASIAN EBIKE CHALLENGE	Award/Recognition/Achievement Received for	Idea/Innovation/Prototype
Award / Position / Recognition Secured	1																					
Title of Innovation / Start-up Secured the Award / Recognition	ASIAN EBIKE CHALLENGE																					
Award/Recognition/Achievement Received for	Idea/Innovation/Prototype																					
21	INTERNET OF THINGS	Innovation	Workshop	GMR Institute of Technology	Educational Institute	10-02-2020 00:00:00	14-02-2020 00:00:00	5	50	19	69	Yes	2	INTERNET OF THINGS	No	<table border="1"> <tbody> <tr> <td>Award / Position / Recognition Secured</td> <td>2</td> </tr> <tr> <td>Title of Innovation / Start-up Secured the Award / Recognition</td> <td>INTERNET OF THINGS</td> </tr> <tr> <td>Award/Recognition/Achievement Received for</td> <td>Idea/Innovation/Prototype</td> </tr> </tbody> </table>	Award / Position / Recognition Secured	2	Title of Innovation / Start-up Secured the Award / Recognition	INTERNET OF THINGS	Award/Recognition/Achievement Received for	Idea/Innovation/Prototype
Award / Position / Recognition Secured	2																					
Title of Innovation / Start-up Secured the Award / Recognition	INTERNET OF THINGS																					
Award/Recognition/Achievement Received for	Idea/Innovation/Prototype																					
22	AUTOMATIC SOLAR TRACKER	Innovation	Workshop	GMR Institute of Technology	Corporate / Industry Association	14-02-2020 00:00:00	18-02-2020 00:00:00	5	14	18	32	Yes	1	AUTOMATIC SOLAR TRACKER	No	<table border="1"> <tbody> <tr> <td>Award / Position / Recognition Secured</td> <td>1</td> </tr> <tr> <td>Title of Innovation / Start-up Secured the Award / Recognition</td> <td>AUTOMATIC SOLAR TRACKER</td> </tr> <tr> <td>Award/Recognition/Achievement Received for</td> <td>Idea/Innovation/Prototype</td> </tr> </tbody> </table>	Award / Position / Recognition Secured	1	Title of Innovation / Start-up Secured the Award / Recognition	AUTOMATIC SOLAR TRACKER	Award/Recognition/Achievement Received for	Idea/Innovation/Prototype
Award / Position / Recognition Secured	1																					
Title of Innovation / Start-up Secured the Award / Recognition	AUTOMATIC SOLAR TRACKER																					
Award/Recognition/Achievement Received for	Idea/Innovation/Prototype																					

**Section 1 > ii : Details of Students, Faculties/Staff Participation/Representation in Co-curricular events/programs related to Innovation, IPR and Entrepreneurship/Start-up at the State, National and (or) International Level (Organized by External Organizations) sent by the HEI**

23	IBM Software Training	Innovation	Workshop	GMR Institute of Technology	Educational Institute	20-03-2020 00:00:00	22-03-2020 00:00:00	3	34	1	35	Yes	2	IBM Software Training	No	<table border="1"> <tr> <td>Award / Position / Recognition Secured</td> <td>2</td> </tr> <tr> <td>Title of Innovation / Start-up Secured the Award / Recognition</td> <td>IBM Software Training</td> </tr> <tr> <td>Award/Recognition/Achievement Received for</td> <td>Idea/Innovation/Prototype</td> </tr> </table>	Award / Position / Recognition Secured	2	Title of Innovation / Start-up Secured the Award / Recognition	IBM Software Training	Award/Recognition/Achievement Received for	Idea/Innovation/Prototype
Award / Position / Recognition Secured	2																					
Title of Innovation / Start-up Secured the Award / Recognition	IBM Software Training																					
Award/Recognition/Achievement Received for	Idea/Innovation/Prototype																					
24	BLOCKCHAIN TECHNOLOGY	Innovation	Workshop	GMR Institute of Technology	Educational Institute	19-01-2020 00:00:00	21-01-2020 00:00:00	3	19	20	39	Yes	2	BLOCKCHAIN TECHNOLOGY	No	<table border="1"> <tr> <td>Award / Position / Recognition Secured</td> <td>2</td> </tr> <tr> <td>Title of Innovation / Start-up Secured the Award / Recognition</td> <td>BLOCKCHAIN TECHNOLOGY</td> </tr> <tr> <td>Award/Recognition/Achievement Received for</td> <td>Idea/Innovation/Prototype</td> </tr> </table>	Award / Position / Recognition Secured	2	Title of Innovation / Start-up Secured the Award / Recognition	BLOCKCHAIN TECHNOLOGY	Award/Recognition/Achievement Received for	Idea/Innovation/Prototype
Award / Position / Recognition Secured	2																					
Title of Innovation / Start-up Secured the Award / Recognition	BLOCKCHAIN TECHNOLOGY																					
Award/Recognition/Achievement Received for	Idea/Innovation/Prototype																					
25	FACTSDEVICES	Innovation	Workshop	GMR Institute of Technology	Educational Institute	21-01-2020 00:00:00	23-01-2020 00:00:00	3	29	25	54	Yes	1	FACTSDEVICES	No	<table border="1"> <tr> <td>Award / Position / Recognition Secured</td> <td>1</td> </tr> <tr> <td>Title of Innovation / Start-up Secured the Award / Recognition</td> <td>FACTSDEVICES</td> </tr> <tr> <td>Award/Recognition/Achievement Received for</td> <td>Idea/Innovation/Prototype</td> </tr> </table>	Award / Position / Recognition Secured	1	Title of Innovation / Start-up Secured the Award / Recognition	FACTSDEVICES	Award/Recognition/Achievement Received for	Idea/Innovation/Prototype
Award / Position / Recognition Secured	1																					
Title of Innovation / Start-up Secured the Award / Recognition	FACTSDEVICES																					
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**Section 1 > ii : Details of Students, Faculties/Staff Participation/Representation in Co-curricular events/programs related to Innovation, IPR and Entrepreneurship/Start-up at the State, National and (or) International Level (Organized by External Organizations) sent by the HEI**

26	MicroGrid	Innovation	Workshop	GMR Institute of Technology	Educational Institute	04-02-2020 00:00:00	07-02-2020 00:00:00	4	48	20	68	Yes	1	MicroGrid	No	Award / Position / Recognition Secured	1
																Title of Innovation / Start-up Secured the Award / Recognition	MicroGrid
																Award/Recognition/Achievement Received for	Idea/Innovation/Prototype
27	National Workshop Technozion 2016	Innovation	Workshop	NIT Warangal	Educational Institute	30-03-2020 00:00:00	31-03-2020 00:00:00	2	60	11	71	Yes	1	National Workshop Technozion 2016	No	Award / Position / Recognition Secured	1
																Title of Innovation / Start-up Secured the Award / Recognition	National Workshop Technozion 2016
																Award/Recognition/Achievement Received for	Idea/Innovation/Prototype
28	SOLAR PVDESIGN	Innovation	Workshop	GMR Institute of Technology	Corporate / Industry Association	21-02-2020 00:00:00	23-02-2020 00:00:00	3	58	50	108	Yes	2	SOLAR PVDESIGN	No	Award / Position / Recognition Secured	2
																Title of Innovation / Start-up Secured the Award / Recognition	SOLAR PVDESIGN
																Award/Recognition/Achievement Received for	Idea/Innovation/Prototype

**Section 1 > ii : Details of Students, Faculties/Staff Participation/Representation in Co-curricular events/programs related to Innovation, IPR and Entrepreneurship/Start-up at the State, National and (or) International Level (Organized by External Organizations) sent by the HEI**

29	HVDCCO NTROLLERS	Innovation	Workshop	GMR Institute of Technology	Educational Institute	02-02-20 20 00:00:00	07-02-20 20 00:00:00	6	150	105	255	Yes	1	HVDCCO NTROLLERS	No	<table border="1"> <tr> <td>Award / Position / Recognition Secured</td> <td>1</td> </tr> <tr> <td>Title of Innovation / Start-up Secured the Award / Recognition</td> <td>HVDCCON TROLLERS</td> </tr> <tr> <td>Award/Recognition/Achievement Received for</td> <td>Idea/Innovation/Prototype</td> </tr> </table>	Award / Position / Recognition Secured	1	Title of Innovation / Start-up Secured the Award / Recognition	HVDCCON TROLLERS	Award/Recognition/Achievement Received for	Idea/Innovation/Prototype
Award / Position / Recognition Secured	1																					
Title of Innovation / Start-up Secured the Award / Recognition	HVDCCON TROLLERS																					
Award/Recognition/Achievement Received for	Idea/Innovation/Prototype																					
30	SMARTG RID	Innovation	Workshop	GMR Institute of Technology	Educational Institute	12-02-20 20 00:00:00	15-02-20 20 00:00:00	4	56	44	100	Yes	2	2	No	<table border="1"> <tr> <td>Award / Position / Recognition Secured</td> <td>2</td> </tr> <tr> <td>Title of Innovation / Start-up Secured the Award / Recognition</td> <td>2</td> </tr> <tr> <td>Award/Recognition/Achievement Received for</td> <td>Idea/Innovation/Prototype</td> </tr> </table>	Award / Position / Recognition Secured	2	Title of Innovation / Start-up Secured the Award / Recognition	2	Award/Recognition/Achievement Received for	Idea/Innovation/Prototype
Award / Position / Recognition Secured	2																					
Title of Innovation / Start-up Secured the Award / Recognition	2																					
Award/Recognition/Achievement Received for	Idea/Innovation/Prototype																					
31	Brain Wave Controlled Robotics Workshop	Innovation	Workshop	GMR Institute of Technology	Educational Institute	29-07-20 19 00:00:00	03-08-20 19 00:00:00	6	69	1	70	Yes	1	Brain Wave Controlled Robotics Workshop	No	<table border="1"> <tr> <td>Award / Position / Recognition Secured</td> <td>1</td> </tr> <tr> <td>Title of Innovation / Start-up Secured the Award / Recognition</td> <td>Brain Wave Controlled Robotics Workshop</td> </tr> <tr> <td>Award/Recognition/Achievement Received for</td> <td>Idea/Innovation/Prototype</td> </tr> </table>	Award / Position / Recognition Secured	1	Title of Innovation / Start-up Secured the Award / Recognition	Brain Wave Controlled Robotics Workshop	Award/Recognition/Achievement Received for	Idea/Innovation/Prototype
Award / Position / Recognition Secured	1																					
Title of Innovation / Start-up Secured the Award / Recognition	Brain Wave Controlled Robotics Workshop																					
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**Section 1 > ii : Details of Students, Faculties/Staff Participation/Representation in Co-curricular events/programs related to Innovation, IPR and Entrepreneurship/Start-up at the State, National and (or) International Level (Organized by External Organizations) sent by the HEI**

32	Swarm Robotics Workshop	Innovation	Workshop	GMR Institute of Technology	Educational Institute	31-01-2020 00:00:00	02-02-2020 00:00:00	3	100	15	115	Yes	2	Swarm Robotics Workshop	No	<table border="1"> <tr> <td>Award / Position / Recognition Secured</td> <td>2</td> </tr> <tr> <td>Title of Innovation / Start-up Secured the Award / Recognition</td> <td>Swarm Robotics Workshop</td> </tr> <tr> <td>Award/Recognition/Achievement Received for</td> <td>Idea/Innovation/Prototype</td> </tr> </table>	Award / Position / Recognition Secured	2	Title of Innovation / Start-up Secured the Award / Recognition	Swarm Robotics Workshop	Award/Recognition/Achievement Received for	Idea/Innovation/Prototype
Award / Position / Recognition Secured	2																					
Title of Innovation / Start-up Secured the Award / Recognition	Swarm Robotics Workshop																					
Award/Recognition/Achievement Received for	Idea/Innovation/Prototype																					
33	ELECTRIC VEHICLES	Innovation	Workshop	GMR Institute of Technology	Educational Institute	12-02-2020 00:00:00	14-02-2020 00:00:00	3	69	42	111	Yes	2	ELECTRIC VEHICLES	No	<table border="1"> <tr> <td>Award / Position / Recognition Secured</td> <td>2</td> </tr> <tr> <td>Title of Innovation / Start-up Secured the Award / Recognition</td> <td>ELECTRIC VEHICLES</td> </tr> <tr> <td>Award/Recognition/Achievement Received for</td> <td>Idea/Innovation/Prototype</td> </tr> </table>	Award / Position / Recognition Secured	2	Title of Innovation / Start-up Secured the Award / Recognition	ELECTRIC VEHICLES	Award/Recognition/Achievement Received for	Idea/Innovation/Prototype
Award / Position / Recognition Secured	2																					
Title of Innovation / Start-up Secured the Award / Recognition	ELECTRIC VEHICLES																					
Award/Recognition/Achievement Received for	Idea/Innovation/Prototype																					
34	International Institute of Entrepreneurship Development	Innovation	Workshop	APSSDC A.P	Educational Institute	31-01-2020 00:00:00	02-02-2020 00:00:00	3	20	6	26	Yes	2	International Institute of Entrepreneurship Development	No	<table border="1"> <tr> <td>Award / Position / Recognition Secured</td> <td>2</td> </tr> <tr> <td>Title of Innovation / Start-up Secured the Award / Recognition</td> <td>International Institute of Entrepreneurship Development</td> </tr> <tr> <td>Award/Recognition/Achievement Received for</td> <td>Idea/Innovation/Prototype</td> </tr> </table>	Award / Position / Recognition Secured	2	Title of Innovation / Start-up Secured the Award / Recognition	International Institute of Entrepreneurship Development	Award/Recognition/Achievement Received for	Idea/Innovation/Prototype
Award / Position / Recognition Secured	2																					
Title of Innovation / Start-up Secured the Award / Recognition	International Institute of Entrepreneurship Development																					
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**Section 1 > ii : Details of Students, Faculties/Staff Participation/Representation in Co-curricular events/programs related to Innovation, IPR and Entrepreneurship/Start-up at the State, National and (or) International Level (Organized by External Organizations) sent by the HEI**

35	Submission of idea under the Incubation Scheme	Innovation	Workshop	GMR Institute of Technology	Educational Institute	15-03-2020 00:00:00	22-03-2020 00:00:00	8	60	4	64	Yes	1	Submission of idea under the Incubation Scheme	No	<table border="1"> <tbody> <tr> <td>Award / Position / Recognition Secured</td> <td>1</td> </tr> <tr> <td>Title of Innovation / Start-up Secured the Award / Recognition</td> <td>Submission of idea under the Incubation Scheme</td> </tr> <tr> <td>Award/Recognition/Achievement Received for</td> <td>Idea/Innovation/Prototype</td> </tr> </tbody> </table>	Award / Position / Recognition Secured	1	Title of Innovation / Start-up Secured the Award / Recognition	Submission of idea under the Incubation Scheme	Award/Recognition/Achievement Received for	Idea/Innovation/Prototype
Award / Position / Recognition Secured	1																					
Title of Innovation / Start-up Secured the Award / Recognition	Submission of idea under the Incubation Scheme																					
Award/Recognition/Achievement Received for	Idea/Innovation/Prototype																					
36	Workshop(AllinCloud)	Innovation	Workshop	IIT Bomday	Educational Institute	03-03-2020 00:00:00	06-03-2020 00:00:00	4	60	1	61	Yes	1	Workshop(AllinCloud)	No	<table border="1"> <tbody> <tr> <td>Award / Position / Recognition Secured</td> <td>1</td> </tr> <tr> <td>Title of Innovation / Start-up Secured the Award / Recognition</td> <td>Workshop(AllinCloud)</td> </tr> <tr> <td>Award/Recognition/Achievement Received for</td> <td>Idea/Innovation/Prototype</td> </tr> </tbody> </table>	Award / Position / Recognition Secured	1	Title of Innovation / Start-up Secured the Award / Recognition	Workshop(AllinCloud)	Award/Recognition/Achievement Received for	Idea/Innovation/Prototype
Award / Position / Recognition Secured	1																					
Title of Innovation / Start-up Secured the Award / Recognition	Workshop(AllinCloud)																					
Award/Recognition/Achievement Received for	Idea/Innovation/Prototype																					
37	Workshop(Ethical Hacking)	Innovation	Workshop	IIT Bomday	Educational Institute	03-03-2020 00:00:00	04-03-2020 00:00:00	2	69	1	70	Yes	2	Workshop(Ethical Hacking)	No	<table border="1"> <tbody> <tr> <td>Award / Position / Recognition Secured</td> <td>2</td> </tr> <tr> <td>Title of Innovation / Start-up Secured the Award / Recognition</td> <td>Workshop(EthicalHacking)</td> </tr> <tr> <td>Award/Recognition/Achievement Received for</td> <td>Idea/Innovation/Prototype</td> </tr> </tbody> </table>	Award / Position / Recognition Secured	2	Title of Innovation / Start-up Secured the Award / Recognition	Workshop(EthicalHacking)	Award/Recognition/Achievement Received for	Idea/Innovation/Prototype
Award / Position / Recognition Secured	2																					
Title of Innovation / Start-up Secured the Award / Recognition	Workshop(EthicalHacking)																					
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**Section 1 > ii : Details of Students, Faculties/Staff Participation/Representation in Co-curricular events/programs related to Innovation, IPR and Entrepreneurship/Start-up at the State, National and (or) International Level (Organized by External Organizations) sent by the HEI**

38	Workshop(AWS Deep Learning)	Innovation	Workshop	IIT Bomday	Educational Institute	29-07-2019 00:00:00	03-08-2019 00:00:00	6	100	15	115	Yes	1	Workshop(AWS Deep Learning)	No	Award / Position / Recognition Secured	1
																Title of Innovation / Start-up Secured the Award / Recognition	Workshop(AWS Deep Learning)
																Award/Recognition/Achievement Received for	Idea/Innovation/Prototype

**Section 2 > i : List the Academic Programs on Innovation, IPR and Entrepreneurship Development Offered During the Academic Period (2019-20)**

Srno	Title of Course/Subject Offered	Program Theme	Type of Course	Course Offering Department/Centre/Unit Name	Level of Course	Program Start Date	Program End Date	Program Duration(in Days)	Mode of Delivery	Total Numbers of Participants	Total Numbers of Contact Hours of Course ( Minimum 30 Contact hours)
1	Industry Driven 1 Credit Course	Innovation	Elective/Core Credit Course	Bachelor	Electronics and Communication Engineering	16-12-2019	19-12-2019	4	Offline	56	30
2	Industry Driven 1 Credit Course	Innovation	Elective/Core Credit Course	Bachelor	Electronics and communication Engineering	06-07-2019	09-07-2019	4	Offline	59	30
3	Principles of Entrepreneurship	Entrepreneurship/Startup	Elective/Core Credit Course	Bachelor	Mechanical engineering	01-07-2019	30-12-2019	183	Offline	120	45

**Section 2 > ii : List the Employment Generation Skill Development Programs Organized by the HEI on Innovation, IPR and Entrepreneurship Development During the Academic Period (2019-20)**

Srno	Title of the Training Program	Program Theme	Type of Course	Course Offering Department/Centre/Unit Name	Program Start Date	Program End Date	Program Duration(in Days)	Mode of Delivery	Total Numbers of Participants	Total Numbers of Contact Hours of Course ( Minimum 30 Contact hours)
1	Curriculum design development delivery and Assessment in the context of outcome based education	IPR	EDP in I&E / IPR	AICTE	23-09-2019	26-09-2019	4	Offline	40	30
2	Sensitization program on Amazon Web Services	IPR	FDP in I&E / IPR	GMRIT	13-12-2019	17-12-2019	5	Offline	41	30
3	Symphony - A Team Building Workshop	Innovation	Employment Generation Training Programs	learning Skills	06-07-2019	11-07-2019	6	Offline	26	40
4	Secretarial Excellence	Innovation	Employment Generation Training Programs	learning Skills	01-09-2019	06-09-2019	6	Offline	25	37



**Section 2 > iii : List the Full Time Faculties had with a Degree (UG/PG/PhD) in Innovation/IPR/Entrepreneurship and (or) Received Specialized Training program of I&E, IPR (MDP, EDP, FDP, Short-term Certificate Course, of minimum 30 hours Duration) conducted by various State, Central Govt. agencies, and Knowledge Agencies in the Academic Period (2019-20)**

Srno	Faculty Name	Department/Centre/Unit Name	Designation	Do you have a degree in I&E & IPR?	Had the faculty received training on I&E & IPR during AY 2019-20				
1	Dr P BHARANI CHANDRA	Centre of Excellence with Advance Tools and Equipment	Professor	No	Yes				
	Training Name	Training Theme	Type of Course	Training Agency Name	Training Agency Type	Training Start Date	Training End Date	Training Duration (in Days)	Mode of Delivery

**Section 3 > i : List Idea/Innovation Centric Student Clubs Are Functional at the HEI with Access to Co-working Space/Work-stations for Students with Facilities & Equipment Available to promote and Support Innovation, Entrepreneurship and IPR Activities in Campus**

Srno	Name of Student Club	Type of Club	Year of Establishment	Type of Facilities Available at the Club	Student Club with Access to Other I&E Facilities at the HEI	No of Programs/Activities Organized by the Student Club During the AY 2019-20	Student Club Team Lead Name	Student Club Team Lead Email	Student Club Team Lead Phone
1	Project and Innovation Club	Innovation Club	2019	Work Stations	Innovation Labs	4	Mr. S Rajesh	rajesh149@gmail.com	9134678989
2	Robotics Club	Idea Club	2014	Co-working Space	Pre-Incubation Unit	4	Dr K Krishnakishore	krishnakishore.k@gmrit.edu.in	6281446650
3	STEM Club	Idea Club	2015	Co-working Space	Innovation Labs	4	Dr D Tejeswararao	tejeswararao.d@gmrit.edu.in	9000246424
4	Green Eco Club	Idea Club	2017	Co-working Space	Innovation Park/Research Park	4	Dr H joga rao	jogaroo.h@gmrit.edu.in	9848587677
5	Women Empowerment Club	Idea Club	2016	Co-working Space	Centre of Excellence with Advance Tools	4	Dr A Sivasangari	sivasangari.a@gmrit.edu.in	9491091756

**Section 3 > ii > a : List the Pre-Incubation Facility (Tinkering Lab/Makers' Space/Design Centre/New Gen IEDC/IEDC/EDC/Innovation Centre/Startup Cell) (>= 600 Sq. Ft. Floor Area)**

Srno	Name of Pre-Incubation Centre	Type of Facility	Year of Establishment	Type of Facilities Available at the Centre	Pre-Incubation with Access to Other I&E Facilities at the HEI	Name of the Funding Schemes Available with Pre-Incubation Unit, if any (Optional)	Facility Details	Total Nos of Dedicated Executive/Management team Strength Engaged at the Facility	Had the Pre-Incubation Unit Provided any Funding Support for Idea/Prototype/Innovation Development and implementation during the Financial Year 2019-20	Had institute Generated Income either from Services Offered by Pre-Incubation Centre/Facilities?	Had institute spent expenses either from own resource/received fund towards Establishment/Operation of Pre-Incubation Centre/Facilities?						
1	Innovation centre	Innovation Centre	2018	3D Printing & Prototype Equipment	Innovation Labs	Innovation Labs	<table border="1"> <tr> <td>Facility Incharge Name</td> <td>Dr.M Prem Kumar</td> </tr> <tr> <td>Facility Incharge Email</td> <td>premkumar.m@gmrit.edu.in</td> </tr> <tr> <td>Facility Incharge Phone</td> <td>9500390495</td> </tr> </table>	Facility Incharge Name	Dr.M Prem Kumar	Facility Incharge Email	premkumar.m@gmrit.edu.in	Facility Incharge Phone	9500390495	4	Yes	No	Yes
Facility Incharge Name	Dr.M Prem Kumar																
Facility Incharge Email	premkumar.m@gmrit.edu.in																
Facility Incharge Phone	9500390495																

**Section 3 > ii > a : List the Pre-Incubation Facility (Tinkering Lab/Makers' Space/Design Centre/New Gen IEDC/IEDC/EDC/Innovation Centre/Startup Cell) (>= 600 Sq. Ft. Floor Area)**

Source of Grant / Fund	Agency Name	Agency Type	Total Grants / Funds Received by Pre-Incubation & Incubation Centre / Facilities exists in Campus (In Rupees)
Institute's Own Fund / Resource	Prototype Equipment	Educational Institute	125000

**Section 3 > ii > b : List the Centre of Excellence (CoE) Facilities with Advance Tools and Equipment at the HEI (>= 1000 Sq. Ft. Floor Area)**

Srno	Name of CoE Facility	Year of Establishment	CoE with Access to Other I&E Facilities at the HEI	Name of the Funding Schemes Available with CoE, if any (Optional)	Facility Details	Total Nos of Dedicated Executive/Management team Strength Engaged at the Facility	Had the CoE Provided any Funding Support for Idea/Prototype/Innovation Development and implementation during the Financial Year 2019-20?	Had institute Generated Income either from Services Offered by CoE Centre/Facilities?	Had institute spent expenses either from own resource/received fund towards Establishment/Operation of CoE Centre/Facilities?						
1	Centre of Excellence	2018	Innovation Park/Research Park	Fund for Improvement of S&T Infrastructure (FIST)	<table border="1"> <tr> <td>Facility Incharge Name</td> <td>Prof.P Bharanichandra Kumar</td> </tr> <tr> <td>Facility Incharge Email</td> <td>bharanichandrakumar.p@gmit.edu.in</td> </tr> <tr> <td>Facility Incharge Phone</td> <td>8897574047</td> </tr> </table>	Facility Incharge Name	Prof.P Bharanichandra Kumar	Facility Incharge Email	bharanichandrakumar.p@gmit.edu.in	Facility Incharge Phone	8897574047	4	Yes	No	Yes
Facility Incharge Name	Prof.P Bharanichandra Kumar														
Facility Incharge Email	bharanichandrakumar.p@gmit.edu.in														
Facility Incharge Phone	8897574047														
			Source of Grant / Fund		Agency Name		Agency Type		Total Grants / Funds Received by CoE Facility exists in Campus (In Rupees)						
			Institute's Own Fund / Resource		GMR Institute of Technology		Educational Institute		10000000						

**Section 3 > ii > c : List the Incubation Facilities at the HEI (>= 1500 Sq. Ft. Floor Area)**

Srno	Name of Incubation Facility	Year of Establishment	Incubation with Access to Other I&E Facilities at the HEI	Name of the Funding Schemes Available with Incubation Unit, if any (Optional)	Facility Details	Total Nos of Dedicated Executive/Management team Strength Engaged at the Facility	Had the Incubation Facility Provided any Funding Support for Idea/Prototype/Innovation Development and implementation during the Financial Year 2019-20?	Had institute Generated Income either from Services Offered by Incubation Centre/Facilities?	Had institute spent expenses either from own resource/received fund towards Establishment/Operation of Incubation Centre/Facilities?
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**Section 3 > ii > c : List the Incubation Facilities at the HEI (>= 1500 Sq. Ft. Floor Area)**

1	MSME BUSINESS INCUBATION CENTRE	2011	Pre-Incubation, Innovation Labs, Innovation Park/Research Park, Centre of Excellence with Advance Tools, IPR Cell/Technology Transfer Centre, Student Clubs	GMRIT STARTUP GRANT	<table border="1"> <tr> <td>Facility Incharge Name</td> <td>DR M SRINI VASA RAO</td> </tr> <tr> <td>Facility Incharge Email</td> <td>SRINI VASR AO.M @GM RIT.E DU.IN</td> </tr> <tr> <td>Facility Incharge Phone</td> <td>90005 42349</td> </tr> </table>	Facility Incharge Name	DR M SRINI VASA RAO	Facility Incharge Email	SRINI VASR AO.M @GM RIT.E DU.IN	Facility Incharge Phone	90005 42349	12	Yes	No	Yes
Facility Incharge Name	DR M SRINI VASA RAO														
Facility Incharge Email	SRINI VASR AO.M @GM RIT.E DU.IN														
Facility Incharge Phone	90005 42349														
Source of Grant / Fund				Agency Name		Agency Type		Total Grants / Funds Received by Incubation Facility exists in Campus (In Rupees)							

**Section 3 > ii > d : List the Innovation Park/Research Park Facilities at the HEI (>= 5000 Sq. Ft. Floor Area)**

Srno	Name of Innovation Park/Research Park Facility	Year of Establishment	Innovation Park / Research Park with Access to Other I & E Facilities at the HEI	Name of the Funding Schemes Available with Research/Innovation Park, if any (Optional)	Facility Details	Total Nos of Dedicated Executive/Management team Strength Engaged at the Facility	Had the Research Park/Innovation Park Provided any Funding Support for Idea/Prototype/Innovation Development and implementation during the Financial Year 2019-20?	Had institute Generated Income either from Services Offered by Research Park/Innovation Park?	Had the Research Park/Innovation Park Provided any Funding Support for Idea/Prototype/Innovation/Start up/Venture Development and implementation during the Financial Year 2019-20?						
1	GMR INNOVATION CENTRE	2019	Student Clubs	GMR INNOVATION FUNDS	<table border="1"> <tr> <td>Facility Incharge Name</td> <td>DR CLVR SV PRAS AD</td> </tr> <tr> <td>Facility Incharge Email</td> <td>prasad .clvsv @gmr group.i n</td> </tr> <tr> <td>Facility Incharge Phone</td> <td>94414 06014</td> </tr> </table>	Facility Incharge Name	DR CLVR SV PRAS AD	Facility Incharge Email	prasad .clvsv @gmr group.i n	Facility Incharge Phone	94414 06014	11	Yes	No	Yes
Facility Incharge Name	DR CLVR SV PRAS AD														
Facility Incharge Email	prasad .clvsv @gmr group.i n														
Facility Incharge Phone	94414 06014														
Source of Grant / Fund				Agency Name		Agency Type		Total Grants / Funds Received by Incubation Facility exists in Campus (In Rupees)							
Institute's Own Fund / Resource				GMR Institute of Technology		Educational Institute		250000							

**Section 3 > ii > e : List the IPR Cell/Technology Transfer Centre Facilities at the HEI**

Srno	Name of IPR Cell/Technology Transfer Centre Facility	Year of Establishment	IPR Cell/Technology Transfer Centre with Access to Other I&E Facilities at the HEI	Name of the Funding Schemes Available with IPR Cell/Technology Transfer Centre, if any (Optional)	Facility Details	Total Nos of Dedicated Executive/Management team Strength Engaged at the Facility	Had the IPR Cell/Technology Transfer Centre Provided any Funding Support for Idea/Prototype/Innovation Development and implementation during the Financial Year 2019-20?	Had institute Generated Income either from Services Offered by IPR Cell/Technology Transfer Centre?	Had the IPR Cell/Technology Transfer Centre Provided any Funding Support for Idea/Prototype/Innovation/Start up/Venture Development and implementation during the Financial Year 2019-20?
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**Section 3 > ii > e : List the IPR Cell/Technology Transfer Centre Facilities at the HEI**

1	GMR INNOVATION CENTRE	2019	Student Clubs	GMR Institute of Technology	<table border="1"> <tr> <td>Facility Incharge Name</td> <td>DR CLVR SV PRASAD</td> </tr> <tr> <td>Facility Incharge Email</td> <td>prasad.clvrsv@gmr.group.in</td> </tr> <tr> <td>Facility Incharge Phone</td> <td>94414 06014</td> </tr> </table>	Facility Incharge Name	DR CLVR SV PRASAD	Facility Incharge Email	prasad.clvrsv@gmr.group.in	Facility Incharge Phone	94414 06014	5	Yes	No	Yes
Facility Incharge Name	DR CLVR SV PRASAD														
Facility Incharge Email	prasad.clvrsv@gmr.group.in														
Facility Incharge Phone	94414 06014														
Source of Grant / Fund		Agency Name			Agency Type		Total Grants / Funds Received by Incubation Facility exists in Campus (In Rupees)								
Institute's Own Fund / Resource		GMR Institute of Technology			Educational Institute		750000								

**Section 3 > iii > a : Provide detail list of Faculties as Mentor to help Ideas/Innovations/Startups**

Srno	Name of the Faculty	Designation of the Faculty	Mentor Expert Area	Years of Experience in Mentorship (In Years)
1	Dr P BHARANI CHANDRA	Professor and HEAD in Electrical Engineering	Idea/Innovation Development	5
	Name of Idea/Innovation/ Startup Mentored		Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
	GENOMIC PROCESSING EMBEDDED SYSTEM FOR DATASET GENERATION AND DEEP ANALYSIS		Within	
2	J RAJA MURUGADOSS	Vice Principal	Idea/Innovation Development	5
	Name of Idea/Innovation/ Startup Mentored		Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
	I-Drone: Intelligent Drone to Detect the Human and Provide Help		Within	
3	Dr C L V R S V PRASAD	Principal	Idea/Innovation Development	15
	Name of Idea/Innovation/ Startup Mentored		Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
	PCML - Movable Satellite: Propagation Impairments for Movable Satellite Communication Links at The Microwave Frequencies in Defined Location		Within	
4	Dr M SRINIVASA RAO	Professor	Idea/Innovation Development	7
	Name of Idea/Innovation/ Startup Mentored		Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
	An Artificial Intelligence and Machine Learning based Traffic Control System		Within	
5	Dr B Santosh Kumar	Senior Professor	Idea/Innovation Development	10

**Section 3 > iii > a : Provide detail list of Faculties as Mentor to help Ideas/Innovations/Startups**

Name of Idea/Innovation/ Startup Mentored	Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
Genomic Processing Embedded System for Dataset Generation and Deep Analysis	Within	

**Section 3 > iii > b : Provide detail list of External Experts/Agencies engaged as Mentor to help Ideas/Innovations/Startups**

Srno	Name of the External Expert/Agency as Mentor	Mentor Expert Area	Type of Mentorship
1	GMR EDC	Idea/Innovation Development, Entrepreneurship/Startup Development, IPR Protection & Commercialization	Unstructured Mentorship

**Section 4 : List all the Innovations Generated Developed, Completed and Implemented in Ground with Support of Pre-incubation & Incubation facilities at the HEI and Recognitions Received**

Srno	Name of the Innovation Generated with the Support of HEI	Type of Innovation	Nature of Innovation	Name of the HEI Supported Innovation Development	Innovation Developed by	Stage of Innovation/ Stage of TRL it started receiving the Support during the FY 2019-20	Stage of Innovation/ Stage of TRL reached as on 31st March 2020	Status Pre-Incubation/Incubation Support to Innovation as on 31st March 2020	Had the Innovation Received any Recognition at State, National, International Level Programs during the financial period 2019-20	Had the Innovation Converted into Venture/Startup/ SME Unit during the financial period 2019-20	Had Centre/institute provided any Financial support (either own resource or fund received from agencies) in terms of Seed Grant/Fund Support to Idea / Prototype / Innovations Development during the financial period 2019-20	Had the Innovations raised any Seed fund/Angel Investment/VC during the period of receiving pre-incubation/incubation support at your Pre-incubation/incubation or HEI during the financial period 2019-20	Had the Pre-incubation/Incubation Centre/HEI received any income/revenue from Idea/Prototype/Innovations for the pre-incubation/incubation support and the services offered by Pre-incubation/incubation or institute during the financial period 2019						
1	GENOMIC PROCESSING EMBEDDED SYSTEM FOR DATASET GENERATION AND DEEP ANALYSIS	Process Innovation	Non-Technological / Social / Community Innovation		Faculty	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	Innovation Development Ongoing	<table border="1"> <tr> <td>Agency Name</td> <td>GMR Institute of Technology</td> </tr> <tr> <td>Agency Type</td> <td>Educational Institute</td> </tr> <tr> <td>Award / Position / Recognition Secured</td> <td>1</td> </tr> </table>	Agency Name	GMR Institute of Technology	Agency Type	Educational Institute	Award / Position / Recognition Secured	1	No	No	No	No
Agency Name	GMR Institute of Technology																		
Agency Type	Educational Institute																		
Award / Position / Recognition Secured	1																		
				Name		Type		Gender		Email		Contact							
				Dr P BHARANI CHANDRA Kuma		Staff		Male		bharanichandrakumar.p@gmrit.edu.in		8897574047							



4	An Artificial Intelligence and Machine Learning based Traffic Control System	Process Innovation	Non-Technological / Social / Community Innovation		Faculty	TRL 7 : Demonstration system operating in operational environment at pre-commercial scale.		Innovation Development Ongoing	No	No	No	No	No
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Name	Type	Gender	Email	Contact
Dr M SRINIVASA RAO	Faculty	Male	srinivasaro.m@gmit.edu.in	9000542349

5	Genomic Processing Embedded System for Dataset Generation and Deep Analysis	Process Innovation	Non-Technological / Social / Community Innovation		Faculty	TRL 3 : Applied research. First laboratory tests completed; proof of concept.	TRL 3 : Applied research. First laboratory tests completed; proof of concept.	Innovation Development Ongoing	Agency Name GMRI Institute of Technology	Agency Type Educational Institute	Award / Position / Recognition Secured 1	No	No	No	No
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Name	Type	Gender	Email	Contact
Dr B Santosh Kumar	Faculty	Male	santosh.b@gmit.edu.in	9843622130

**Section 5 : List all the Ventures/Startups/SME Units Established with Support of Pre-incubation & Incubation facilities at the HEI**

**No Data Filled!**

**Section 7 > i : List all the Collaborations with External Agencies and Co-Creation of I&E Activities by the HEI**

Srno	Collaborated Agency Name	Collaborated Agency Type	Purpose of Collaboration	Type of Support Offered	No. of Student Projects/ Ideas / Innovation / Startups from the HEI get benefitted through this partnership	Date of MOU / Agreement Signed on
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1	Luca Industries International, GmbH, Berlin, Germany	International Agencies	Collaboration with Startups/Industry Associations/Knowledge Agencies to Promote I&E Activities and/or Internship Opportunities	Pre-incubation,Incubation,Mentoring,Networking	120	28-08-2019
2	JUNIPER NETWORKS, GNCAA	International Agencies	Providing (or) Receiving Incubation/Pre-Incubation Support Services to Innovators/Startups	Pre-incubation,Incubation,Mentoring,Networking,Investment	360	04-01-2020

**Section 8 > ii : List the IPs Filed/Published/Granted (Copyright & Designs Only) by the HEI as an Applicant / Co-applicant / Co-owner**

Srno	Title/Name of IP(Copyright & Designs Only)	Type of IP(Copyright & Designs Only)	IP(Copyright & Designs Only) Registration Number of Copyright/Design	Application Level	Date of Copyright / Design IP Filed/ Published (Year, Month)	Copy of receipt / application screenshot [PDF or Image]	Current Status of IP(Copyright & Designs Only) as on 31st March 2020	Has this IP(Copyright & Designs Only) been Commercialized/Transferred to Industry/Startup/Society?
1	CTLP	IPRFiledPublished	14821/2019-CO	National	2019 - 12	Uploaded	Granted	Yes
Department/Centre Name								
GMR Institute of Technolo								

**Section 8 > iii : List the IP (Patents only) Filed by the HEI as Applicant / Co-applicant / Co-owner**

Srno	Title/Name of Patent	IP Registration Number	Date of Filed/Published (Year, Month)	Application Level	Copy of receipt / application screenshot [PDF or Image]
1	IMC-CHARGER: INTELLIGENT MOBILE PHONE PROTECTIVE CASE WITH SOLAR CHARGER THIN BATTERY	201921016540	National	2019 - 05	Uploaded
2	LIGHT ESTIMATOR BASED FORGERY CONTROL UNIT FOR IMAGE FORGERY DETECTION	202041007012	National	2020 - 02	Uploaded
3	A Method and System for Controlling Deforestation	201941036274	National	2019 - 10	Uploaded
4	Machine Learning based Computer Implemented Method for Providing secure Electronic Mail communication in Categorcal BIG-DATA	201941044839	National	2019 - 08	Uploaded
5	METHOD FOR MANAGING THE UPLINK RADIATION AND ENERGY CONSUMPTION OF 5G MOBILES	202041009329	National	2020 - 03	Uploaded
6	UNMANNED AERIAL VEHICLE (UAV) TO AUTONOMOUSLY AND WIRELESSLY MONITOR SECURITY	202041010349	National	2020 - 03	Uploaded
7	METHOD FOR FACE- RECOGNITION ON THE BASIS OF SKETCH USING DEEP CONVOLUTION NEURAL NETWORK	201941045946	National	2019 - 12	Uploaded
8	DECENTRALIZED MANAGEMENT OF DATA FOR MHEALTH USING CONSORTIUM BLOCKCHAIN	201941049381	National	2019 - 12	Uploaded
9	IMPROVED METHOD FOR ENERGY EFFICIENT ROAD SIDE LAMP UTILIZATION	202041001118	National	2020 - 01	Uploaded
10	SAFETY SMART HELMET	202041020815	National	2020 - 03	Uploaded



11	ARTIFICIAL INTELLIGENCE BASED AUTOMATIC FEEDING SYSTEM FOR AQUACULTURE	201941016567	National	2019 - 05	Uploaded
12	Design of An Real-time smart Health care system through Data Mining and Internet of Things (IoT)	201941041826	National	2019 - 10	Uploaded
13	Smart Manufacturing using Industrial IOT in 5G Environment Applicants	201941047518	National	2019 - 12	Uploaded
14	Self Rechargeable Drone	201941048019	National	2019 - 12	Uploaded
15	An Intelligent Monitoring Device for Elevators	201941052209	National	2020 - 01	Uploaded
16	IWS Device: Intelligent Woman Safety Device using AI Programming, Deep Learning	201941053834	National	2020 - 01	Uploaded
17	Intelligent City	202041002527	National	2020 - 01	Uploaded
18	ITV-Self-Balancing Vehicle: In Intelligent Self Balancing Two Wheel Vehicle	202041014768	National	2020 - 03	Uploaded
19	Design and Performance Evaluation of Hybrid Vedic Multipliers	202041015491	National	2020 - 03	Uploaded
20	MOTIVATIONAL RECOMMENDATION SYSTEM AND METHOD	202041011076	National	2020 - 03	Uploaded
21	BREAST CANCER PREDICTION SYSTEM AND METHOD FOR EARLY DETECTION	202041021242	National	2020 - 03	Uploaded
22	GENOMIC PROCESSING EMBEDDED SYSTEM FOR DATASET GENERATION AND DEEP ANALYSIS	2020101618	International	2020 - 03	Uploaded
23	PREPARATION OF BIO-GREEN ADSORBENT OF EM BASED KITCHEN WASTE COMPOST AND WATER HYACINTH WASTE COMPOST	202041032680	National	2020 - 03	Uploaded
24	COLLABORATIVE FEDERATIVE LEARNING APPROACH FOR INTERNET OF VEHICLES TRAFFIC PREDICTION	2020101613	International	2020 - 03	Uploaded
25	Process of Computing Multi Conductor Parasitic Capacitance for MSI, VLSI, ULSI Circuits	202041010380	National	2020 - 03	Uploaded
26	Accident Reduce using GPS, Mobile Phone Notification System	202041031948	National	2020 - 03	Uploaded
27	Flow Field Design for Proton Exchange Membrane Fuel Cell	201941019966	National	2020 - 03	Uploaded
28	Intelligent Voice based E-mail	202041038460	National	2020 - 03	Uploaded
29	I-Drone: Intelligent Drone to Detect the Human and Provide Help	2020102304	International	2020 - 03	Uploaded
30	PCML - Movable Satellite: Propagation Impairments for Movable Satellite Communication Links at The Microwave Frequencies in Defined Location	2020102544	International	2020 - 03	Uploaded
31	An Artificial Intelligence and Machine Learning based Traffic Control System	2020101880	International	2020 - 03	Uploaded