Ref: GTU/CiC3/IDP-UDP/2018/ 3222   Date: 03-05-2018

<u>CIRCULAR</u>

To,
Principals/Directors of Colleges affiliated to GTU

Final year student projects are the manifestation of learning outcome of our students culminating overall knowledge and skills acquired during whole academic learning. Hence one of the key indicators of successful knowledge acquisition and leverage is validated by successfully doing innovative projects/innovations/solutions as a part of the student project efforts and bring impact at end user level.

From the received reports from various GTU Affiliated colleges where IDP/UDP/Student Project work is being sincerely attempted it's apparent that given a basic support system our young minds can showcase their creative potential and become problem solver and innovator. To appreciate such efforts and benchmark every effort of other colleges GTU will fetch reports of all colleges and award the best ones at state level. A list of indicators/heads has been given here. Each college can make a report and submit with necessary support proofs for the made claims and mail at gic@gtu.edu.in and cic3@gtu.ac.in about efforts of respective college on or before **7th May 2018**. An Expert committee at University level will go through all such reports and benchmark the best colleges/institutes/campuses and appreciate them with special award in a suitable occasion at state level.

The report which colleges will submit should be based on the efforts undertaken for IDP/UDP/Student Project work for the academic year 2017-18. Later on every academic year such award will be given away after benchmarking each cycle of efforts in this field to acknowledge good efforts at colleges and benchmark efforts at state level involving similar indicators and efforts. Best performing campuses/colleges will also be given additional support from GTU Innovation Council to achieve concrete results in this direction.

Looking forward for your active participation.

For any query revert back to Asst. Prof Tushar Panchal or Asst. Prof. Raj Hakani Contact: ap_tushar@gtu.edu.in | +91 99984 06205 or ap_raj@gtu.edu.in | +91-7405633889

Sd/-

Registrar

Copy to:

To, Principals/Directors of Colleges affiliated to GTU

Community Innovation & Co-Creation Cantre

GTU Innovation Council

Benchmarking efforts of GTU Affiliated Colleges in IDP/UDP/Student Project work and Award best Colleges: 2017-18

Sr.No	Outcome	Score/Weightage	Comment
1.	Patent filed based on IDP/UDP/Student Project work and having at least copy of provisional filing based on novel project work. Novelty of the patent filed will be considered too.	10 points per patent (provisional filing) 15 Points for complete specification filing	Max 5 patents will be considered based on novelty
2.	Potential student start-up having come out from IDP/UDP/Student Project work. Either it should be an registered entity or having crated customer value of minimum 5 lac INR through its solution	20 points per start-up	-NA-
3.	Good quality research paper published by team doing IDP/UDP/Student Project work based on their final year project at reputed conference at national/international level like ASME, IEEE etc. (generic research papers won't be considered)	10 points per such paper	Max 5 papers will be considered based on novelty
4.	Successful case studies based on IDP/UDP/Student Project work where student innovations might have direct impact on user and user could have given consent to use the solution in field right away. Attach user/industry letter of using the proposed industry solution or so. In the brief case mention how was the challenge/problem scouted, what was exact problem, how it was solved, user feedback, empirical report on impact during beta level of implementation etc.	15 points per case of successful IDP/UDP going to be used by user/SME/Industry	-NA-
5.	IDP/UDP/Student Project work having received State/National/International Awards	State : 10 points National : 15 points International : 20 points	-NA-
6.	Technology transfer to industry/organisations based on research outcome/solution coming out of IDP/UDP/Student Project work.	20 Points per unit	-NA-

7.	Fully industry sponsored/funded IDP/UDP/Student Project work with some concrete outcome.	15 points per unit	-NA-
8.	Product Developed based on IDP/UDP/ Student Project work which are ready to deploy on field. (apart from point 4)	20 Points per unit	-NA-
9.	College having dedicated support system to carry forward best IDP/UDP to solution/product level. (mention about your support system covering stages like , linking with right kind of challenges with students, support at ideation and prototyping stage, IPR support and mentoring facilities etc)	15 Points	-NA-
10.	Dedicated fund allocation by college or through grants to support best IDP/UDP/Student project in prototyping and similar needs. College should submit a letter of proof for the same. Minimum 5 lac support year marked by college in its budget or fetching grants from others and linking with students for their project/innovation work.	20 Points	-NA-
11.	Exposure to best IDP/UDP/Student Project by college like supporting them to participate and showcase the work in expo, exhibitions, similar platforms at state, national level which eventually benefit student innovation.	10 points	-NA-
12.	Significant new outcome in research frontier through fundamental research while doing IDP/UDP/student project work. The outcome should have been validated by suitable competent expert/authority.	15 points per unit	-NA-
13.	Successfully arranged Student Innovation exhibition covering IDP/UDP/student project work, review them with visit of external experts/industry mentors (Minimum 3 external industry experts per branch),give feedback to improve each project and track them min of 3 months, linking them with further industry experts, awarding best teams, providing exposure to penultimate year students in 3rd year or similar annual efforts.	20 points	-NA-
14.	Having allocated dedicated fulltime competent Human Resource to facilitate IDP/UDP/Student Project work and allied support in your college/campus for Innovation,IPR, Start-up efforts. Attach their details.	15 points	-NA-

15.	Having thoroughly implemented IDP/UDP/Project cycle as directed by GTU with mentoring and capacity building programs for all final year students in areas like, Industrial Shodh Yatra, PSAR, PDE, BMC and other tools. Attach proof of such workshops/programs with student feedbacks and similar report.	20 points	-NA-
16.	Systematic effort by college for helping students to select real life challenges, problem statements, Facilitation for Summer Industrial Shodh Yatra to link students with potential SMEs and other users to define projects, ensure capable teams try to solve real issues and develop solution for end user, implement design thinking and similar pedagogic tools to help students become better problem solver.	15 points	-NA-
17.	Collaboration: Institute doing formal collaboration with (Industry clusters for Industrial Shodh Yatra, Industry for supporting IDP/UDP, Designers/fabricators/Experts apart from academia for Proof of concept design, prototyping support, R&D organisation/testing center etc for further support to convert student projects to innovative solutions etc.)	15 points	-NA-
18.	Post final year project examination support System creation by institute to take forward selected projects/IDP/UDP/proposed solutions to next stage so that few projects reach to impact stage, help in IPR Protection of novel works, Product design support for potential projects etc. . Colleges may share a report on what they are doing to achieve the mentioned if they claim in this category.	15 Points	-NA-

While sending report to university through mail each college/institute/campus should mention which score points the college deserve to fetch based on above indicators and in the report provide necessary documents and justifications.

Sr.No	Claim to fetch points in which category/indicator/area from the above 17 points	How much points college deserve to fetch
1		
2		
Total		**X points**

Each college can make a report and submit with necessary support proofs for the made claims and mail at gic@gtu.edu.in and cic3@gtu.edu.in about efforts of respective college on **or before 7ᵗʰ May 2018.** An Expert committee at University level will go through all such reports and benchmark the best colleges/institutes/campuses and appreciate them with special award in a suitable occasion at state level.

The report which colleges will submit should be based on the efforts undertaken for IDP/UDP/Student Project work for the academic year 2016-17. Later on every academic year such award will be given away after benchmarking each cycle of efforts in this field to acknowledge good efforts at colleges and benchmark efforts at state level involving similar indicators and efforts. Best performing campuses/colleges will also be given additional support from GTU Innovation Council to achieve concrete results in this direction.

Note: Colleges/Institutes/Campuses running Engineering, MCA, and Polytechnic program others where IDP/UDP/Student Project work policy of GTU is being implemented as a part of their final year project work can apply for the same.

Not necessarily every college will score high under every indicator to start with, but the intent of this initiative is to also help in giving a direction to innovation ecosystem efforts at every campus through policy and action support so that in days to come each of the GTU affiliated campus will become hub of creativity, innovation and enterprises through strategic interventions.