

PEER TEAM REPORT

ON

Institutional Accreditation

of

**KARUNYA INSTITUTE OF TECHNOLOGY
AND**

SCIENCES (KITS)

(Deemed to-be University u/s 3 of the UGC Act 1956)

KARUNYA NAGAR, COIMBATORE-641114

TAMILNADU

05th – 07th August, 2014



Submitted

to

NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL

An Autonomous Institution of the University Grants Commission

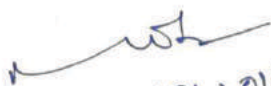
P.O. Box No. 1075, Nagarbhavi, Bangalore – 560 072

PEER TEAM REPORT ON
Institutional Accreditation of
Karunya Institute of Technology and Sciences (Deemed to-be University), Coimbatore
STATE: Tamil Nadu

Section I: GENERAL	Information
1.1 Name & Address of the Institution	Karunya Institute of Technology and Sciences(Deemed to-be University u/s 3 of the UGC Act 1956), Karunya Nagar, Coimbatore – 641114. Tamil Nadu
1.2 Year of establishment:	23-06-2004 as Deemed to be University
1.3 Current Academic Activities at the institution (Numbers):	
• Faculties/Schools:	07
• Departments/Centres:	Departments - 19 attached to 7 schools
• Programs/Courses offered:	PG:-29 UG:-12 Ph.D:-19 M.Phil- 7 PG Diploma:-2 MSc Integrated:-2 Total:- 71
• Permanent Faculty Members:	400 (Men- 229 ; Women- 171)
• Permanent Support Staff:	293(71- Technical Staff; 216 - Non-teaching staff)
• Students:	8061
1.4 Three major features in the institutional Context (As perceived by the Peer Team)	<ul style="list-style-type: none"> • University under section 3 of UGC Act 1956, by up gradation of an accredited college of good standing. • Well maintained campus spread over 720 acres in staggered form with built-up area of 2.48 lakhs Sq.m. in rural areas. • Fully residential Christian Minority Institution
1.5 Dates of visit of the Peer Team (A detailed visit schedule may be included as given below):	5 th – 7 th August, 2014
1.6 Composition of the Peer Team which undertook the on-site visit:	
Chairperson	Prof. M.P. Jain, Former VC, SOA University, Bhubenaswar & Pro Chacancellor, LMS Unison University Dehradun

M.P. Jain
7/8/2014

<p>Members:</p>	<p>Dr. T. Ramamurthy, Former Professor(CE), IIT, Delhi</p> <p>Dr. Shyamlal Soni, Professor of ME, NIT, Jaipur</p> <p>Dr. Gautam Sanyal, Professor & Dean(SW), NIT, Durgapur</p> <p>Dr. Suresh Chand, Professor & Head, School of life Sciences. Devi Ahilya University, Indore</p> <p>Dr. M.B.Srinivas, Professor & Dean(Admin.), BITS, Pilani, Hyderabad</p> <p>Dr. Jacob Philip, Professor & Director, STIC, CUSAT, Cochin</p>
<p>NAAC Coordinator</p>	<p>Dr. M. S. Shyamasundar, Dy. Adviser, NAAC, Bangalore</p>
<p>Section II: CRITERION WISE ANALYSIS</p>	<p>Observations (Strengths and/or Weaknesses) on Key-Aspects</p>
<p><i>2.1 Curricular Aspects:</i></p>	
<p>2.1.1 Curricular Design & Development:</p>	<ul style="list-style-type: none"> • NBA- AICTE guidelines are followed in the curricula design of Engineering & Technology programs. UGC guidelines are followed for programs related to Arts and Science. • Syllabus is developed and revised in consultations with senior faculty, alumni and representatives from industry.
<p>2.1.2 Academic flexibility:</p>	<ul style="list-style-type: none"> • Credit and Grade System is followed. • Flexibility to modify syllabus of electives as per the needs of the society. • University follows semester System for all the programs offered.
<p>2.1.3 Curriculum Enrichment</p>	<ul style="list-style-type: none"> • Curricula and syllabi are revised in consultation with the stakeholders. • Some add-on courses introduced to develop student's skills. • Value added and skill oriented programmes apart from regular courses need to be strengthened.


 7/8/2014

<p>2.1.4 Feedback System</p>	<ul style="list-style-type: none"> • Industry, students and alumni representation in the Boards of Studies. • System for the analysis of feedback on curriculum exists in every department exists. • Quality sustenance and Quality enhancement measures taken by the University based on feedback to be strengthened. • A formal structured mechanism for incorporating feedback from stakeholders yet to be evolved.
<p>2.2 Teaching- Learning & Evaluation:</p>	
<p>2.2.1 Student Enrolment and Profile :</p>	<ul style="list-style-type: none"> • Admission strictly on merit through performance in the Karunya Entrance Examination (KEE), conducted in <u>57</u> different locations all over India. • Bright students are encouraged to participate in various competitions, both in-house and inter-institution • Supplementary exams for final and pre-final students after the main exams to clear backlog of arrears. • Facilitates like bank loans and scholarships from government agencies for SC/ST/OBC students are provided.
<p>2.2.2 Catering to Student Diversity :</p>	<ul style="list-style-type: none"> • Bridge course are conducted for the Diploma holders (Lateral entries) as well as for vernacular medium students in Mathematics and English. • Advanced students are encouraged to undertake innovative projects with financial support. • Counsellors, mentors and class advisors for each class or group of students for academic and personal guidance are in place.
<p>2.2.3 Teaching-Learning Process:</p>	<ul style="list-style-type: none"> • Academic calendar and comprehensive lesson plans for all the classes are in place. • Learning Management System (LMS) has been introduced into the academic system. • Use of modern teaching aids being used, need to be strengthened. • External Academic Audits are conducted twice in a year to ensure Quality in Teaching and Learning. • Computerized integrated teaching-learning and evaluation needs to be developed.

WZ
7/8/2014


2.2.4 Teacher Quality:	<ul style="list-style-type: none"> • About 37% permanent faculty members have Ph.D qualifications. • The Institute conducts some seminars and workshops to enable the faculty to be conversant with the latest in teaching and evaluation technologies. • Majority of the faculty members are young with limited Teaching /research experience and require to obtain PhD. • Senior faculty with teaching/industry experience need to be appointed.
2.2.5 Evaluation Process and Reforms:	<ul style="list-style-type: none"> • Tests are conducted at the completion of 35, 70 and 85 days. • Qualitative assignments are given by way of allocating projects, term papers, poster presentations, etc. • Central evaluation and timely declaration of results of the examinations. • External examiners may be invited from Institutes of repute rather than from local Colleges.
2.2.6 Student Performance and Learning Outcomes :	<ul style="list-style-type: none"> • Financial assistance is provided to students to undertake innovative projects and participate in seminars / conferences. • OHP, LCD Projectors, NKN, EDUSAT, NPTEL, e-Learning etc. are used in teaching-learning. • Graduate attributes are clearly defined to produce professionals with adequate technical skills, knowledge and ethical values. • Graduate attributes outcome need to be checked.
2.3 Research, Consultancy & Extension:	
2.3.1 Promotion of Research:	<ul style="list-style-type: none"> • University encourages young faculty members and students by awarding limited research grants to undertake innovative projects. • Sponsored projects worth <u>Rs.5.9 crores</u> completed and projects worth of <u>Rs.9.6 crores</u> are on-going. • Very few research papers published per faculty member. • Encouragement to submit more research papers in refereed journals with good impact factor and research project to get research grants for promotion of research be strengthened.
2.3.2 Resource Mobilization for Research :	<ul style="list-style-type: none"> • MoUs with industries / institutions and social organizations • Institute supports research by providing some seed money to faculties. • In-house research programmes need to be developed. • Scope for improvement in quality and quantity of research publications.

7/8/2014

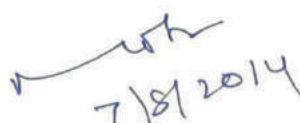
2.3.3 Research Facilities :	<ul style="list-style-type: none"> Centre for Nano-Technology has been created with the financial grant from DST under Nano-mission. Centre for Technology Development and Transfer needs to be created.
2.3.4 Research Publications and Awards	<ul style="list-style-type: none"> 227 national and 1731 international papers were published in refereed journals. 958 papers were published in journals indexed in SCOPUS during the last 5 years Few faculty members have been honoured by the Institute awards. Patents are yet to be obtained. Have filed 2 patents only.
2.3.5 Consultancy:	<ul style="list-style-type: none"> Rs.90.96 lakhs has been generated by faculty through consultancy works during the past five years Faculty members are encouraged to undertake consultancy. More departments need to be encouraged to undertake consultancy.
2.3.6 Extension Activities and Institutional Social Responsibility:	<ul style="list-style-type: none"> Extension activities available through NSS, NCC and YRC. Awareness programmes on diabetes, cancer, heart disease, food preventive technique, election awareness etc. are undertaken. Outreach activities needs to be further strengthened.
2.3.7 Collaborations:	<ul style="list-style-type: none"> The university runs 20 courses in collaboration with international universities. 29 MoUs with industries / institutions and 25 MoUs with premier foreign universities and social organizations Collaborations with alumni associations need to be established.
2.4. Infrastructure and Learning Resources:	
2.4.1 Physical Facilities :	<ul style="list-style-type: none"> University has sprawling campuses with an area of 720 acres. Separate hostels for accommodating boys and girls exist. Limited residential accommodation available for faculty and staff. Facilities such as Health centres, food-courts, sports complex, post office, banks, ATM counters, recreation hall, gymnasias etc. are in place. Standby power back-up facility exists. Practice of providing bunker type beds need to be discouraged. Practice of one kitchen for eight hostels and another kitchen for another seven hostels need to be changed with separate kitchens for each hostel.

WZ
2/8/2014

	<ul style="list-style-type: none"> Practice of bringing own plates and other cutleries by the students and cleaning by themselves is fraught with danger of unhygienic conditions.
2.4.2 Library as a Learning Resource:	<ul style="list-style-type: none"> Insufficient Library space and budget. No. of books and journals need to be increased significantly. To strengthen PG and Doctoral Programmes, number of Journals for science research scholars need to be procured urgently.
2.4.3 IT Infrastructure	<ul style="list-style-type: none"> Necessary IT infrastructure in place. Wi-Fi enabled facility need to be enhanced. Development of small labs in the Computer Science/IT/MCA departments is necessary.
2.4.4 Maintenance of Campus facilities:	<ul style="list-style-type: none"> Campus and buildings are maintained with adequate budgetary allocations. Adequate staff is available for the maintenance of the university campus and buildings. Cleanliness of the campus need to be improved.
2.5 Student Support and Progression:	
2.5.1 Student Mentoring and Support:	<ul style="list-style-type: none"> Mentoring system through class committee and the class advisor is in place. Facilities for differently abled students exist. Extra-curricular and Co-curricular activities need to be improved.
2.5.2 Student Progression:	<ul style="list-style-type: none"> The number of UG students going for higher studies is low. Guidance for GATE, NET, SET and other competitive examinations need to be strengthened. Limited PG students opt for higher studies.
2.5.3 Student Participation and Activities:	<ul style="list-style-type: none"> Extension activities through NSS and NCC are conducted. Many students have participated in state and national tournaments and became winners and runner ups in several events. Blood donation camps are organized regularly.



 7/8/2014

2.6 Governance Leadership and Management:	
2.6.1 Institutional Vision and Leadership:	<ul style="list-style-type: none"> • Mission statement defines the institution's distinctive characteristics. • Faculty participation in decision making process at various levels needs to be strengthened. • Academic and administrative system is structured to promote an all-round culture of excellence.
2.6.2 Strategy development and deployment:	<ul style="list-style-type: none"> • Autonomy and accountability for each unit needs to be established. • Internal performance audit exists. However, performance audit needs to be conducted by external experts from organizations of repute. • Efforts need to be made to appoint permanent and experienced qualified faculty members in proportion to student intake.
2.6.3 Faculty Empowerment Strategies	<ul style="list-style-type: none"> • Welfare scheme like hospital is in place. • Centre for faculty development need to be established.
2.6.4 Financial Management and Resource Mobilization:	<ul style="list-style-type: none"> • Finance committee does planning and resources allocation to various departments. • Internal audit mechanism exists. External audit is conducted as per norms. • Funds need to be raised through research projects, consultancy services, testing etc.
2.6.5 Internal Quality Assurance System:	<ul style="list-style-type: none"> • IQAC exists and operative. • Separate infrastructural facilities with appropriate manpower need to be provided
2.7 Innovations and Best Practices:	
2.7.1 Environmental Consciousness:	<ul style="list-style-type: none"> • The Institute's campus is green and eco-friendly. • Green and energy Audit of the campus needs to be undertaken by the University. • Solar thermal water heating systems in place in hostel areas. • Water harvesting, recycling of waste water, e-waste management systems are in place.
2.7.2 Innovations:	<ul style="list-style-type: none"> • Some patents have been filed and needs further efforts in this regard.



 7/8/2014

	<ul style="list-style-type: none"> • An air cooled jacket innovated for traffic police. • Campus intranet, radio and TV in place.
2.7.3 Best Practices :	<ul style="list-style-type: none"> • Eco-friendly campus. • Alumni Association exists. • Wi-Fi internet connectivity on the entire campus.
Section III: OVERALL ANALYSIS	Observations:
3.1 Institutional Strengths:	<ul style="list-style-type: none"> • Conducive academic ambience • Good infrastructure for teaching, learning and research • Publications in journals indexed by SCOPUS and in peer reviewed journals with high impact factors • Excellent maintenance of student discipline through mentoring and hostel SRA system. • Fully residential campus for students. • Student exchange with premier Universities exists. • Publications of some faculty members are in peer reviewed journals with good impact factor. • Ample opportunities for faculty and students to contribute to society through extension activities.
3.2 Institutional Weaknesses:	<ul style="list-style-type: none"> • Residential facilities for teaching/non teaching staff are limited. • Hostel and mess facilities need to be significantly strengthened in terms of hygiene and leaving standard. • Less number of funded projects / sponsored projects / consultancy works • Lack of interdisciplinary research clusters and collaborative research projects with Institutions having MoU • Industry – Institute interaction not well established • Limited on campus placements of the students. • The teaching, research and consultancy facilities available in collaborating institutions are under-utilized. • Less number of NET qualified faculty. • Lack of sufficient number of books/journals and space for the library.
3.3 Institutional Challenges:	<ul style="list-style-type: none"> • Placing students in core companies by preparing them to meet industrial requirements. • Competition from other Universities and premier Institutions • Receiving competitive funded research projects from external agencies/Industries. • Receiving consultancy works based on the expertise of the faculty members • Proving more practical oriented training to students.

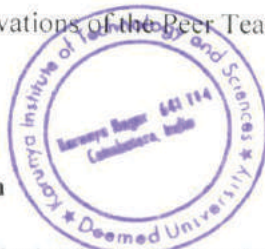

 7/8/2014

<p>3.4 Institutional Opportunities:</p>	<ul style="list-style-type: none"> • Collaborative academic and research programmes with premier institutions. • Providing journals for research scholars in science department. • Industry oriented Add-on programmes by renowned training providers. • Conducive environment for faculty members to pursue Ph.D. degree on Part-time basis. • Availability of seed money for new faculty members and for student research projects. • Ample opportunities for students and faculty to contribute to society through extension activities.
---	---

Section IV: Recommendations for Quality Enhancement of the University

- Perspective plan for the next five years incorporating inputs of all the stakeholders may be prepared.
- Infrastructure for newly established centres may be augmented.
- Number of vacancies in faculty and non-teaching staff to various departments may be filled up and adequate number of permanent faculty positions need to be created.
- Industry-University and Consultancy services and technology transfer need to be strengthened.
- Finishing school concept may be introduced to promote placement and to enhance employability skills of the students.
- Sexual Harassment Prevention Cell need to be established.
- UGC guidelines for faculty recruitment need to be adhering to.
- Anti ragging committee need to established and displayed prominently in various places.
- Library funding, number of journals, books and space need to be enhanced significantly.
- PG courses in sciences need to be retained and further strengthened. Number of journals for science research scholars need to be significantly enhanced.
- Number of student hostels dining conditions may be improved, including separate kitchen for each hostel.
- Faculty need to be provided with individual office with internet connectivity.
- Interaction and involvement with alumni in University affairs need to be strengthened.
- Interaction of faculty with premier Institutions/Industry need to be strengthened.
- Campus wide Internet connectivity needs to be strengthened.
- Financial autonomy may be strengthened further and accrual based double entry accounting system be introduced.

I agree with the observations of the Peer Team as mentioned in the report.



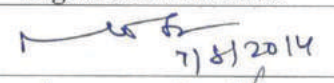

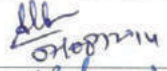

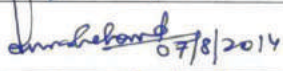
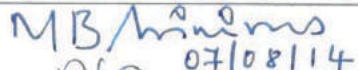
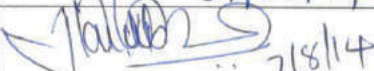
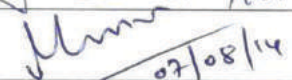
Seal of the institution

S. Sundar Manoharan 7/8/14
Signature of the Head of the Institution
with date & Seal

Dr. S. Sundar Manoharan
Vice Chancellor
Karunya Institute of Technology and Sciences
(Declared as Deemed to be University)
Karunya Nagar, Coimbatore - 641 114.

[Signature]
7/8/2014

Names and Signatures of the Peer Team Members with date

Name and Designation	Peer Team Members	Signature with date
Prof. M. P. Jain	Chairperson	 7/8/2014
Prof. T. Ramamurthy	Member	 7/8/14
Prof. Shyam Lal Soni	Member	 07/08/2014
Prof. Gautam Sanyal	Member	 7/8/14
Prof. Suresh Chand	Member	 07/8/2014
Prof. M.B. Srinivas	Member	 07/08/14
Prof. Jacob Philip	Member	 7/8/14
Dr. M. S. Shyamasundar	NAAC Coordinating Officer	 07/08/14

Date : 7th August, 2014

Place : Karunya Nagar, Coimbatore-641114



राष्ट्रीय मूल्यांकन एवं प्रत्यायन परिषद

विश्वविद्यालय अनुदान आयोग का स्वायत्त संस्थान

NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL

An Autonomous Institution of the University Grants Commission

Dr. M.S. Shyamasundar
Deputy Adviser

NAAC / SR-MSS / SC-68-3/ A&A / 2014

22 October 2014

The Vice Chancellor

Karunya Institute of Technology and Science

Karunya Nagar, Coimbatore – 641 114, Tamil Nadu

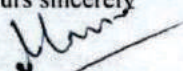
Dear Sir/Madam,

This has reference to your letter no. KITS/VC/NAAC/73/2014 dated 14th October 2014 requesting for Criterion wise Scores for all the seven criteria of the self-study report. We hereby enclose the photocopy of the Grade Sheet as per your request.

For any further clarification kindly contact the undersigned.

Thanking you

Yours sincerely


(Dr.M.S. Shyamasundar)



पि ओ बाक्स नं. 1075, नागरभावी, बेंगलूर - 560 072, भारत P.O.Box No. 1075, Nagarbhavi, Bangalore - 560 072, INDIA

दूरभाषा Phone : + 91-80-23005119 (D), 23210261, 62, 63, 64, 65, Fax : +91-80-23210270 (R) 080-26760873

ई-मेल : e-mail : shyam_naac@yahoo.co.in वेबसाइट Website : www.naac.gov.in

Name of the Institution: Karunya Institute of Technology and Sciences (Deemed to-be University u/s 3 of the UGC Act 1956), Karunya Nagar, Coimbatore -641114, Tamil Nadu

Dates of Visits: August 05-07, 2014

Criteria and Key Aspects	Weightage (W _i)	Key Aspect Grade Points 4/ 3/ 2/ 1/0	Key Aspect Wise Weighted Grade Points
Criterion I: Curricular Aspects			
Curriculum Design and Development	50	4	200
Academic Flexibility	50	3	150
Curriculum Enrichment	30	3	90
Feedback System	20	4	80
TOTAL	W_I=150	(CrWGP)_I=	520
Calculated CrGPA_I=(CrWGP)_I/W_I=$\frac{520}{150}$= 3.47			
Criterion II: Teaching – Learning and Evaluation			
Student Enrolment and Profile	10	4	40
Catering to Student Diversity	20	2	40
Teaching-Learning Process	50	3	150
Teacher Quality	50	3	150
Evaluation Process and Reforms	40	3	120
Student Performance and Learning Outcomes	30	3	90
TOTAL	W_{II}=200	(CrWGP)_{II}=	590
Calculated CrGPA_{II}=(CrWGP)_{II}/W_{II}=$\frac{590}{200}$= 2.95			
Criterion III: Research, Consultancy and Extension			
Promotion of Research	20	2	40
Resource Mobilization for Research	20	1	20
Research Facilities	30	3	90
Research Publications and Awards	100	2	200
Consultancy	20	1	20
Extension Activities and Institutional Social Responsibility	40	3	120
Collaborations	20	3	60
TOTAL	W_{III}=250	(CrWGP)_{III}=	550
Calculated CrGPA_{III}=(CrWGP)_{III}/W_{III}=$\frac{550}{250}$= 2.20			

Name of the Institution: Karunya Institute of Technology and Sciences (Deemed to-be University u/s 3 of the UGC Act 1956), Karunya Nagar, Coimbatore -641114, Tamil Nadu

Dates of Visits: August 05-07, 2014

Criteria	Weightage (W _i)	Criterion-wise weighted Grade Point (CrWGP _i)	Criterion-wise Grade Point Averages (CrWGP _i /W _i)
Criterion IV: Infrastructure and Learning Resources			
Physical Facilities	30	3	90
Library as a Learning Resource	20	1	20
IT Infrastructure	30	3	90
Maintenance of Campus Facilities	20	4	80
TOTAL	W_{IV}=100	(CrWGP)_{IV}=	280
Calculated CrGPA_{IV}=(CrWGP)_{IV}/W_{IV}=$\frac{280}{100}$= 2.80			
Criterion V: Student Support and Progression			
Student Mentoring and Support	40	3	120
Student Progression	40	2	80
Student Participation and Activities	20	3	60
TOTAL	W_V=100	(CrWGP)_V=	260
Calculated CrGPA_V=(CrWGP)_V/W_V=$\frac{260}{100}$= 2.60			
Criterion VI: Governance, Leadership and Management			
Institutional Vision and Leadership	10	3	30
Strategy Development and Deployment	10	3	30
Faculty Empowerment Strategies	30	2	60
Financial Management and Resource Mobilization	20	3	60
Internal Quality Assurance System	30	3	90
TOTAL	W_{VI}=100	(CrWGP)_{VI}=	270
Calculated CrGPA_{VI}=(CrWGP)_{VI}/W_{VI}=$\frac{270}{100}$= 2.70			
Criterion VII: Innovations and Best Practices			
Environment Consciousness	30	4	120
Innovations	30	1	30
Best Practices	40	2	80
TOTAL	W_{VII}=100	(CrWGP)_{VII}=	230
Calculated CrGPA_{VII}=(CrWGP)_{VII}/W_{VII}=$\frac{230}{100}$= 2.30			
Grand Total	1000		
Institutional CGPA = $\frac{2700}{1000}$ = 2.70			